

Name: Shandong Non-Metallic Materials Institute

Address: No.3, Tianjiazhuang East Road, Tianqiao District, Jinan, Shandong, China

Registration No. CNAS L0269

Accreditation Criteria: ISO/IEC 17025:2017 and relevant requirements of CNAS

Effective Date: 2024-03-15 Expiry Date: 2029-06-22

## SCHEDULE 3 ACCREDITED TESTING SCOPE

| № | Test Object | Item/Parameter |                                                                                | Standard or Method                                                                                                                                                                                                                       | Note | Effective Date |
|---|-------------|----------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                                                                |                                                                                                                                                                                                                                          |      |                |
| 1 | Lubricant   | 1              | Dropping point of lubricating grease                                           | Lubricating grease Determination of dropping point GB/T 4929-1985                                                                                                                                                                        |      | 2023-07-24     |
|   |             | 2              | surface                                                                        | 5201 silicone resin HG/T 2502-1993 5.1                                                                                                                                                                                                   |      | 2023-07-24     |
|   |             | 3              | oil displacement degree                                                        | 5201 silicone resin HG/T 2502-1993 5.3                                                                                                                                                                                                   |      | 2023-07-24     |
|   |             | 4              | combustion performance                                                         | 5201 silicone resin HG/T 2502-1993 5.7                                                                                                                                                                                                   |      | 2023-07-24     |
|   |             | 5              | corrosivity                                                                    | 5201 silicone resin HG/T 2502-1993 5.8                                                                                                                                                                                                   |      | 2023-07-24     |
|   |             | 6              | waterproof and sealing properties                                              | 5201 silicone resin HG/T 2502-1993 5.9                                                                                                                                                                                                   |      | 2023-07-24     |
|   |             | 7              | Ag,Al,B,Ba,Ca,K,Cr,Cu,Fe,Mg,Mn,Mo,Na,Ni,P,Pb,Si,Sn,Ti,V,Zn,S Elements Analysis | Standard method for determination of additive elements,wear metals, and contaminants in used lubricating oils determination of selected elements in base oils by inductively coupled plasma atomic emission spectrometry GB/T 17476-1998 |      | 2023-07-24     |



No. CNAS L0269

第 1 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

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|---|-------------|----------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
|   |             | №              | Item/ Parameter  |                                                                                                                                       |                                                      |                |
| 2 | Resin       | 1              | Volatile content | Determination of volatile content in prepregs JC/T 776-2004                                                                           |                                                      | 2023-07-24     |
|   |             |                |                  | Plastics-Reinforced moulding compounds and prepregs-Determination of apparent volatile-matter content ISO9782:1993                    |                                                      | 2023-07-24     |
|   |             |                |                  | Aerospace series-Textile glass fibre preimpregnates-Test method for the determination of the content of volatile matter. EN 2330-1993 |                                                      | 2023-07-24     |
|   |             | 2              | Density          | Epoxide resins –Determination of density –Pyknometer method GB/T 15223-2008                                                           |                                                      | 2023-07-24     |
|   |             | 3              | Viscosity        | Methods for measurement and test of the viscosity GB/T 10247-2008                                                                     | Except for Drop shot method and Vibration method     | 2023-07-24     |
|   |             |                |                  | Plastics - Polyether polyols - Part 7: Determination of viscosity GB/T 12008.7-2010                                                   |                                                      | 2023-07-24     |
|   |             |                |                  | Polymethylene polyphenyl isocyanate – Determination of viscosity GB/T 12009.3-2009                                                    |                                                      | 2023-07-24     |
|   |             |                |                  | Determination of viscosity of polyvinyl alcohol resins GB/T 12010.2-2010 Appendix E                                                   | Accredited only for the rotational viscometer method | 2023-07-24     |
|   |             |                |                  | Unsaturated polyester resin - determination of viscosity GB/T 7193-2008                                                               |                                                      | 2023-07-24     |
|   |             |                |                  | Plastics - Polyacrylamide - Determination for residual crylamide GB/T 22314-2008                                                      |                                                      | 2023-07-24     |
|   |             | 4              | Softening point  | Epoxide resins - Determination of softening point - ring and ball method GB/T 12007.6-1989                                            |                                                      | 2023-07-24     |



No. CNAS L0269

第 2 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object                            | Item/Parameter |                            | Standard or Method                                                                                       | Note | Effective Date |
|---|----------------------------------------|----------------|----------------------------|----------------------------------------------------------------------------------------------------------|------|----------------|
|   |                                        | №              | Item/ Parameter            |                                                                                                          |      |                |
|   |                                        | 5              | Hydroxyl number            | Polyether polyols -Determination of hydroxyl number GB/T 12008.3-2009                                    |      | 2023-07-24     |
|   |                                        |                |                            | Polyester polyols -Determination of hydroxyl number HG/T 2709-1995                                       |      | 2023-07-24     |
|   |                                        | 6              | Acid number                | Polyether polyols--Determination of acid number GB/T 12008.5-2010                                        |      | 2023-07-24     |
|   |                                        |                |                            | Plastics polyester resin - Determination of partial acid value and total acid value GB/T 2895-2008       |      | 2023-07-24     |
|   |                                        |                |                            | Polyester polyols -Determination of acid value HG/T 2708-1995                                            |      | 2023-07-24     |
|   |                                        | 7              | Epoxy value                | Determinating the epoxy value of plasticizers GB/T 1677-2008                                             |      | 2023-07-24     |
|   |                                        | 8              | Epoxide equivalent         | Plastics - Epoxy compounds - Determination of epoxy equivalent GB/T 4612-2008                            |      | 2023-07-24     |
|   |                                        | 9              | Isocyanate content         | Polymethylene polyphenyl isocyanate - Determination of isocyanate content GB/T 12009.4-2016+XG1-2019     |      | 2023-07-24     |
|   |                                        | 10             | Resin content              | Test method for resin content of fiber reinforced plastics GB/T 2577-2005                                |      | 2023-07-24     |
|   |                                        |                |                            | Test method for resin content of carbon fiber reinforced plastics GB/T 3855-2005                         |      | 2023-07-24     |
|   |                                        |                |                            | Test method for resin content of prepregs JC/T 780-2004                                                  |      | 2023-07-24     |
| 3 | Asphalt and related Petroleum products | 1              | Softening point of bitumen | Standard test method for softening point of bitumen—Ring-and-ball apparatus GB/T 4507-2014               |      | 2023-07-24     |
|   |                                        |                |                            | Standard test method for softening point of bitumen (Ring-and-ball apparatus) ASTM D 36/D36M-2014 (2020) |      | 2023-07-24     |
|   |                                        | 2              | Ductility of bitumen       | Standard test method for ductility of bitumen GB/T 4508-2010                                             |      | 2023-07-24     |



No. CNAS L0269

第 3 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                            | Standard or Method                                                                                                                           | Note | Effective Date |
|---|-------------|----------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter            |                                                                                                                                              |      |                |
|   |             |                |                            | Standard test method for ductility of bitumen ASTM D 113-2017                                                                                |      | 2023-07-24     |
|   |             | 3              | Penetration of bitumen     | Bitumen – Determination of penetration GB/T 4509-2010                                                                                        |      | 2023-07-24     |
|   |             |                |                            | Standard test method for Bitumen - Determination of penetration ASTM D5/D5M-2020                                                             |      | 2023-07-24     |
|   |             | 4              | flash point                | Petroleum products - Determination of flash and fire points - open cup GB/T 267-1988                                                         |      | 2023-07-24     |
|   |             |                |                            | Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester ASTM D 92-2018                                                   |      | 2023-07-24     |
|   |             |                |                            | Determination of flash point - Pensky-Martens closed cup method, GB/T 261-2021                                                               |      | 2023-07-24     |
|   |             | 5              | Existent gum               | Engine fuels-Determination of existent gum GB/T 509-1988                                                                                     |      | 2023-07-24     |
|   |             |                |                            | Standard test method for gum content in fuels by jet evaporation GB/T 8019-2008                                                              |      | 2023-07-24     |
|   |             | 6              | Sulfur content             | Determination of sulfur in petroleum and petroleum products—Energy dispersive X-ray fluorescence spectrometry GB/T 17040-2019                |      | 2023-07-24     |
|   |             |                |                            | Standard test method for determination of total sulfur in light hydrocarbons,motor fuels and oils by ultraviolet fluorescence SH/T 0689-2000 |      | 2023-07-24     |
|   |             | 7              | Pour Point                 | Petroleum products - Determination of pour point, GB/T 3535-2006                                                                             |      | 2023-07-24     |
|   |             | 8              | Cold Filter Plugging Point | Diesel and domestic heating fuels-Determination of cold filter plugging point, NB/SH/T 0248-2019                                             |      | 2023-07-24     |
|   |             | 9              | Freezing Point             | Standard test method for freezing point of aviation fuels, GB/T 2430-2008                                                                    |      | 2023-07-24     |
|   |             | 10             | Distillation Range         | Standard test method for distillation of petroleum products at atmospheric pressure GB/T 6536-2010                                           |      | 2023-07-24     |



No. CNAS L0269

第 4 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

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|---|-------------|----------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter             |                                                                                                                               |      |                |
| 4 | Coating     | 11             | dynamic viscosity           | Petroleum products--Determination of kinematic viscosity and calculation of dynamic viscosity, GB/T 265-1988                  |      | 2023-07-24     |
|   |             | 12             | Acid number                 | Standard test method for acid number of petroleum products by potentiometric titration GB/T7304-2014                          |      | 2023-07-24     |
|   |             | 1              | Adhesion                    | Determination of adhesion of coats pull-off test GB/T 5210-2006                                                               |      | 2023-07-24     |
|   |             |                |                             | Circle-drawing test of coating films GB/T 1720-2020                                                                           |      | 2023-07-24     |
|   |             |                |                             | Paints and varnishes-Cross cut test GB/T 9286-2021                                                                            |      | 2023-07-24     |
|   |             | 2              | impact resistance           | Determination of impact resistance of film GB/T 1732-2020                                                                     |      | 2023-07-24     |
|   |             | 3              | Damp heat aging performance | Method of test for resistance to heat and humidity of paint GB/T 1740-2007                                                    |      | 2023-07-24     |
|   |             | 4              | Heat aging performance      | Method of test for heat resistance of paint films GB/T 1735-2009                                                              |      | 2023-07-24     |
|   |             | 5              | Light aging performance     | Paints and varnishes-Artificial weathering and exposure to artificial radiation-Filtered xenon-arc radiation GB/T 1865-2009   |      | 2023-07-24     |
|   |             |                |                             | Paint and varnish-Rating schemes of degradation of coats GB/T 1766-2008                                                       |      | 2023-07-24     |
|   |             |                |                             | Paints and varnishes-Exposure of coatings to artificial weathering-Exposure to fluorescent UV lamps and water GB/T 23987-2009 |      | 2023-07-24     |
|   |             | 6              | Color                       | Methods for measuring the color of paint films --- Part1: Principles GB/T 11186.1-1989                                        |      | 2023-07-24     |
|   |             |                |                             | Methods for measuring the color of paint films—Par 2: Color measurement GB/T 11186.2-1989                                     |      | 2023-07-24     |
|   |             |                |                             | Methods for measuring the color of paint films--- Part3: calculation of color difference GB/T 11186.3-1989                    |      | 2023-07-24     |



No. CNAS L0269

第 5 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                 | Standard or Method                                                                                                     | Note | Effective Date |
|---|-------------|----------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                 |                                                                                                                        |      |                |
|   |             |                |                                 | Estimation of colour of vanishes, boiled oils and thinners GB/T 1722-1992                                              |      | 2023-07-24     |
|   |             |                |                                 | Method of specifying colour for paint films GB/T 6749-1997                                                             |      | 2023-07-24     |
|   |             | 7              | Resistance to water             | Determination of resistance to water of film GB/T 1733-1993                                                            |      | 2023-07-24     |
|   |             | 8              | Flexibility                     | Determination of flexibility of coating and putty films GB/T 1731-2020                                                 |      | 2023-07-24     |
|   |             |                |                                 | Paints and varnishes:Bend test ISO1519-2011                                                                            |      | 2023-07-24     |
|   |             | 9              | Salt spray(fog) testing         | Standard Practice for Operating Salt Spray (Fog) Apparatus ASTM B117-2019                                              |      | 2023-07-24     |
|   |             |                |                                 | Paints and varnishes Determination of resistance to neutral salt spray GB/T 1771-2007                                  |      | 2023-07-24     |
|   |             |                |                                 | Corrosion tests in artificial atmosphere-salt spray tests GB/T 10125-2021                                              |      | 2023-07-24     |
|   |             | 10             | resistance to abrasion-Rotating | Paint and varnishes-Determination of resistance to abrasion-Rotating abrasive rubber wheel method GB/T1768-2006        |      | 2023-07-24     |
|   |             | 11             | Zinc of coating                 | Zinc rich primer HG/T3668-2020 附录 A                                                                                    |      | 2023-07-24     |
|   |             | 12             | Specular gloss                  | Paints and varnishes measurement of specular gloss of non-metallic paint films at 20°、60° and 85° GB/T 9754-2007       |      | 2023-07-24     |
|   |             | 13             | Aging properties                | Paints and varnishes-Determination of resistance to liquids GB/T 9274-1988                                             |      | 2023-07-24     |
|   |             | 14             | Physics properties              | Ship coatings-Determination of resistance to salt water-Salt water and hot salt water immersion method GB /T10834-2008 |      | 2023-07-24     |
|   |             | 15             | film hardness                   | Paints and varnishes--Determination of film hardness by pencil test GB/T 6739-2006                                     |      | 2023-07-24     |
|   |             | 16             | emissivity                      | The method of measuring reflectivity for material and coating Part2:Emissivity GJB5023.2-2003                          |      | 2023-07-24     |



No. CNAS L0269

第 6 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

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|---|----------------------|----------------|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------|
|   |                      | №              | Item/ Parameter                                       |                                                                                                                                           |                                                                                   |                |
| 5 | Lacquer and coatings | 17             | resistance to mold                                    | Test method for determining the resistance of paints film to mold GB/T 1741-2020                                                          |                                                                                   | 2023-07-24     |
|   |                      |                |                                                       | Laboratory environmental test methods for military material-Part 10: Fungus test GJB 150.10A-2009                                         |                                                                                   | 2023-07-24     |
|   |                      |                |                                                       | Environmental testing for electric and electronic products-Part 2: Test methods-Test J and guidance:Mold-growth GB/T 2423.16-2008         |                                                                                   | 2023-07-24     |
|   |                      | 1              | Non-volatile matter                                   | Methods of test for non-volatile matter of varnishes, paints and their vehicles GB/T 1725-2007                                            |                                                                                   | 2023-07-24     |
|   |                      |                |                                                       | Paints, varnishes and plastics-Determination of non-volatile-matter content ISO 3251:2019(E)                                              |                                                                                   | 2023-07-24     |
|   |                      |                |                                                       | Standard Test Method for Nonvolatile Matter in Volatile Solvents for Use in Paint, Varnish, Lacquer, and Related Products ASTM D1353-2021 |                                                                                   | 2023-07-24     |
|   |                      |                |                                                       | Standard Test Method for Refractive Index and Refractive Dispersion of Hydrocarbon Liquids ASTM D2832-2016                                |                                                                                   | 2023-07-24     |
|   |                      | 2              | Viscosity of coatings                                 | Determination of viscosity of coatings GB/T 1723-1993                                                                                     | Accredited only for tube-4 bottle                                                 | 2023-07-24     |
|   |                      | 3              | Harmful substances of solvent coatings for woodenware | Indoor decorating and refurbishing materials limit of harmful substances of solvent coatings for woodenware GB 18581-2020                 | Accredited only for VOC, formaldehyde, total lead, soluble heavy metals (Cd, Cr), | 2023-07-24     |



No. CNAS L0269

第 7 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                 | Standard or Method                                                                     | Note                                                                                                                                                                                                                | Effective Date |
|---|-------------|----------------|-----------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|   |             | №              | Item/ Parameter |                                                                                        |                                                                                                                                                                                                                     |                |
|   |             |                |                 |                                                                                        | glycol ethers and ether esters, benzene content, toluene and xylene (including ethylbenzene), benzene series, polycyclic aromatic hydrocarbons, free diisocyanates, methanol, halogenated hydrocarbons, phthalates. |                |
|   |             | 4              | Density         | Plastics-Liquid resins-Determination of density by the pyknometer method ISO 1675:2022 |                                                                                                                                                                                                                     | 2023-07-24     |
|   |             |                |                 | Paints and varnishes-Determination of density-Pyknometer Method GB/T6750-2007          |                                                                                                                                                                                                                     | 2023-07-24     |
|   |             |                |                 | Paints, varnishes-Determination of density-part1:Pyknometer method ISO 2811-1:2016     |                                                                                                                                                                                                                     | 2023-07-24     |



No. CNAS L0269

第 8 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object          | Item/Parameter |                                                         | Standard or Method                                                                                                                                   | Note | Effective Date |
|---|----------------------|----------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |                      | №              | Item/ Parameter                                         |                                                                                                                                                      |      |                |
|   |                      |                |                                                         | Standard Test Method for Density of Liquid Coatings, Lns, and Related Products ASTM D 1475-2020                                                      |      | 2023-07-24     |
|   |                      | 5              | Acidity                                                 | Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint,Varnish,Lacquer,and Related Products ASTM D 1613-2017 |      | 2023-07-24     |
|   |                      | 6              | chlorhydrocarbon content                                | Determination of chlorhydrocarbon content in coatings-Gas chromatographic method GB/T 23992-2009                                                     |      | 2023-07-24     |
|   |                      | 7              | the contents of benzene,toluene,ethylbenzene and xylene | Determination of the contents of benzene, toluene, ethylbenzene and xylene in coatings by gas chromatography GB/T 23990-2009                         |      | 2023-07-24     |
|   |                      | 8              | Determination of the molecular weight                   | Binders for paints and varnishes-Gel permeation chromatography (GPC)-Tetrahydrofuran (THF) as eluent GB/T 27810-2011                                 |      | 2023-07-24     |
|   |                      | 9              | phthalate esters                                        | Determination of phthalate plasticizers content in coatings—Gas chromatography/mass spectrometry method GB/T 30646-2014                              |      | 2023-07-24     |
| 6 | polyethylene coating | 1              | adhesion                                                | Method of test for adhesion of coating ASTM D4541-2022                                                                                               |      | 2023-07-24     |
|   |                      | 2              | Cathode peel test of antisepsis layer                   | External polyethylene coating for pipe CSAZ245.21-14 12.3                                                                                            |      | 2023-07-24     |
|   |                      |                |                                                         | Standard Test Methods for Cathodic Disbonding of Pipeline Coatings ASTM G8-1996(2019)                                                                |      | 2023-07-24     |
|   |                      |                |                                                         | Standard Test Methods for Cathodic Disbonding test of Pipeline Coatings ASTM G95-2021                                                                |      | 2023-07-24     |
|   |                      | 3              | Peel strength                                           | External polyethylene coating for pipe CSAZ245.21-14 12.4,12.5                                                                                       |      | 2023-07-24     |
|   |                      |                |                                                         | Technical standard of polyethylene adhensive coating for steel pipeline SY/T 0414-2017 7.5                                                           |      | 2023-07-24     |
|   |                      | 4              | Impact strength                                         | External polyethylene coating for pipe CSAZ245.21-14 12.7                                                                                            |      | 2023-07-24     |



No. CNAS L0269

第 9 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

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|   |             | №              | Item/ Parameter                   |                                                                                                                                                                 |      |                |
|   |             |                |                                   | Standard Test Method for Impact Resistance of Pipeline Coatings(Falling Weight Test) ASTM G14-2004 (Reapproved 2018)                                            |      | 2023-07-24     |
|   |             |                |                                   | Technical standard of polyethylene adhensive coating for steel pipeline SY/T 0414-2017 Appendix C                                                               |      | 2023-07-24     |
|   |             | 5              | Flexural properties               | External polyethylene coating for pipe CSAZ245.21-14 12.7                                                                                                       |      | 2023-07-24     |
|   |             |                |                                   | Technical standard of liquid epoxy external coating for buried steel pipeline SY/T 6854-2012 Appendix C                                                         |      | 2023-07-24     |
|   |             | 6              | shear strength                    | Pipeline anti-corrosion coating test method-Part4:Tensile lap-shear strength test SY/T 4113.4-2019                                                              |      | 2023-07-24     |
|   |             |                |                                   | Standard test method for apparent shear strength of single-lap-joint adhesively bonded metal specimens by tension loading (metal-to-metal) ASTM D 1002-10(2019) |      | 2023-07-24     |
|   |             | 7              | bursting strength                 | Rubber-or plastics-coated fabrics -Determination of bursting strength-Part 1:Steel-ball method GB/T 20027.1-2016                                                |      | 2023-07-24     |
|   |             | 8              | Thermal aging resistant           | Technical standard of rotproof coating of polyethylene adhesive strip for steel pipeline SY/T 0414-2017 Appendix A                                              |      | 2023-07-24     |
|   |             | 9              | Water absorption                  | Technical standard of rotproof coating of polyethylene adhesive strip for steel pipeline SY/T 0414-2017 Appendix B                                              |      | 2023-07-24     |
|   |             | 10             | surface drying time               | Standard Test Method for Drying Time of Paints Film GB/T 1728-2020                                                                                              |      | 2023-07-24     |
|   |             | 11             | Electric strength                 | Methods of test for electric strength of solid insulating materials – Test at power frequencies ASTM D 149-2020                                                 |      | 2023-07-24     |
|   |             | 12             | Resistance                        | Methods of test for volume resistivity and surface resistivity of solid insulating materials ASTM D257-2021                                                     |      | 2023-07-24     |
|   |             | 13             | Environmental stress-craking (50) | Plastics-Test method for enviromental stress-cracking of polyethylene GB/T1842-2008                                                                             |      | 2023-07-24     |
|   |             |                |                                   | Test method for Environmental stress-craking of polyethylene plastics ASTM D1693-2021                                                                           |      | 2023-07-24     |



No. CNAS L0269

第 10 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object                    | Item/Parameter |                                 | Standard or Method                                                                                  | Note                                                                                                                                                                                  | Effective Date |
|---|--------------------------------|----------------|---------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|   |                                | №              | Item/ Parameter                 |                                                                                                     |                                                                                                                                                                                       |                |
|   |                                | 14             | Cold melting cycle              | Standard of external coatings for steel tank SY/T 0320-2010 附录 B                                    |                                                                                                                                                                                       | 2023-07-24     |
| 7 | Adhesive and relative products | 1              | Nonvolatile content of adhesive | Test method for nonvolatile content of adhesive GB/T 2793-1995                                      |                                                                                                                                                                                       | 2023-07-24     |
|   |                                | 2              | Viscosity of adhesives          | Testing methods for wood adhesives and their resins GB/T 14074-2017                                 | Accredited only for rotational viscometer method                                                                                                                                      | 2023-07-24     |
|   |                                |                |                                 | Determination for viscosity of adhesives GB/T 2794-2022                                             |                                                                                                                                                                                       | 2023-07-24     |
|   |                                | 3              | Harmful substances of adhesives | Indoor decorating and refurbishing materials limit of harmful substances of adhesives GB 18583-2008 | Accredited only for Free formaldehyde, benzene, toluene + xylene, toluene diisocyanate, dichloromethane, 1,2-dichloroethane, 1,1,2-trichloroethane, trichloroethylene, total volatile | 2023-07-24     |



No. CNAS L0269

第 11 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object          | Item/Parameter |                            | Standard or Method                                                                                                                     | Note              | Effective Date |
|---|----------------------|----------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------|
|   |                      | №              | Item/ Parameter            |                                                                                                                                        |                   |                |
|   |                      |                |                            |                                                                                                                                        | organic compounds |                |
| 8 | Adhesive and sealant | 1              | Shear strength of adhesion | The method for adhesive used in optical instrument WJ 745-1994                                                                         |                   | 2023-07-24     |
|   |                      |                |                            | Adhesives - Determination of tensile lap-shear strength of rigid-to-rigid bonded assemblies GB/T 7124-2008                             |                   | 2023-07-24     |
|   |                      |                |                            | Rubber,vulcanized---- Method for determination of strength properties of adhesive to metal in shear by tension loading GB/T 13936-2014 |                   | 2023-07-24     |
|   |                      |                |                            | Adhesives - Determination of tensile lap-shear strength of bonded assemblies; German version DIN EN 1465-2009                          |                   | 2023-07-24     |
|   |                      | 2              | Peel strength              | Adhesives,180°peel strength test method for a flexible-bonded-to-rigid test specimen assembly GB/T2790-1995                            |                   | 2023-07-24     |
|   |                      |                |                            | Adhesives,T peel strength test method for a flexible- to-flexible test specimen assembly GB/T2791-1995                                 |                   | 2023-07-24     |
|   |                      |                |                            | Rubber,vulcanized or thermo-plastic Determination of adhesion to textile fabric GB/T 532-2008                                          |                   | 2023-07-24     |
|   |                      |                |                            | Test method for peel force of flexible laminated plastics GB/T 8808-1988                                                               |                   | 2023-07-24     |
|   |                      |                |                            | Rubber,vulcanized- Determination of adhesion to metal ---- 180°Peel test method GB /T 15254-2014                                       |                   | 2023-07-24     |
|   |                      |                |                            | Adhesives-T-peel test for flexible-to-flexible bonded assemblies ISO 11339:2010                                                        |                   | 2023-07-24     |
|   |                      | 3              | fatigue properties         | Adhesives-Test methods for fatigue properties of structural adhesives in tensile shear GB/T27595-2011 ISO9664:1995                     |                   | 2023-07-24     |
|   |                      |                |                            | Chemical reagent-General method for the determination of melting range GB/T 617-2006                                                   |                   | 2023-07-24     |
| 9 | Chemical reagent     | 1              | Melting point              | Test methods for melting point and melting range of chemical products.Capillary tube method GB/T21781-2008                             |                   | 2023-07-24     |



No. CNAS L0269

第 12 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object       | Item/Parameter |                                                                                                                                                                                                        | Standard or Method                                                                                                    | Note | Effective Date |
|----|-------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------|----------------|
|    |                   | №              | Item/ Parameter                                                                                                                                                                                        |                                                                                                                       |      |                |
|    |                   | 2              | pH                                                                                                                                                                                                     | Chemical reagent-General rules for the determination of pH GB/T 9724-2007                                             |      | 2023-07-24     |
|    |                   | 3              | Colority                                                                                                                                                                                               | Clour determination method of liquid chemical(Hazen unit-platinum-cobalt scale) GB/T 3143-1982                        |      | 2023-07-24     |
|    |                   |                |                                                                                                                                                                                                        | Chemical reagent-General method for the measurement of colour (in Hazen units) GB/T 605-2006                          |      | 2023-07-24     |
|    |                   | 4              | Refractive index                                                                                                                                                                                       | Chemical reagent-General method for the determination of refractive index GB/T 614-2021                               |      | 2023-07-24     |
|    |                   | 5              | metal and part nonmetal elements conten (Ag、Al、As、Au、B、Ba、Be、Bi、Br、Ca、Cd、Cl、Co、Cr、Cu、Fe、Ga、Gd、Ge、Hf、Hg、In、Ir、K、Na、Li、Mg、Mn、Mo、Nb、Ni、P、Pb、Pd、Pr、Pt、Rb、Re、Rh、Ru、S、Sb、Sc、Se、Si、Sn、Sr、Ti、Tl、V、W、Y、Zn、Zr) t | Chemical reagent-General rules for inductively coupled plasma atomic emission spectrometry GB/T 23942-2009            |      | 2023-07-24     |
|    |                   |                |                                                                                                                                                                                                        | General rules for quadrupole inductively coupled plasma mass spectrometry GB/T 37837-2019                             |      | 2023-07-24     |
| 10 | Chemical products | 6              | crystallizing point                                                                                                                                                                                    | Determination for crystallizing point of organic chemical products for industrial use GB/T 7533-1993                  |      | 2023-07-24     |
|    |                   | 1              | Water content                                                                                                                                                                                          | Chemical products for industrial use General method for determination of water content The loss mass on drying method |      | 2023-07-24     |

No. CNAS L0269

第 13 页 共 80 页



The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                                                              | Standard or Method                                                                                                                       | Note | Effective Date |
|---|-------------|----------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                                                              |                                                                                                                                          |      |                |
|   |             |                |                                                                              | GB/T 6284-2006                                                                                                                           |      |                |
|   |             |                |                                                                              | Determination of water content in industrial chemicals.Gas chromatographic method GB/T 2366-2008                                         |      | 2023-07-24     |
|   |             |                |                                                                              | Chemical products--Determination of water--Karl Fischer method (general method) GB/T 6283-2008                                           |      | 2023-07-24     |
|   |             |                |                                                                              | Gas analysis.Determination of moisture.Part 2:Dew point method GB/T 5832.2-2016                                                          |      | 2023-07-24     |
|   |             | 2              | Ash for organic                                                              | Determination of ignition residue for organic chemical products GB/T 7531-2008                                                           |      | 2023-07-24     |
|   |             | 3              | Qualitative and quantitative analysis of organic matter and inorganic matter | General rules for infrared quantitative analysis GB/T 6040-2019                                                                          |      | 2023-07-24     |
|   |             | 4              | Qualitative and quantitative analysis of substances                          | General rules for mass spectrometric analysis GB/T 6041-2020                                                                             |      | 2023-07-24     |
|   |             | 5              | organic compounds                                                            | Chemical reagent-General rules for the gas chromatograph GB/T 9722-2006                                                                  |      | 2023-07-24     |
|   |             |                |                                                                              | General rules for high performance liquid chromatography GB/T 16631-2008                                                                 |      | 2023-07-24     |
|   |             |                |                                                                              | Test method of styrene for industrial use.Part 1:Determination of purity and hydrocarbon impurities.Gas chromatography GB/T 12688.1-2019 |      | 2023-07-24     |
|   |             |                |                                                                              | General rules of analytical methods for gas chromatography JY/T 0574-2020                                                                |      | 2023-07-24     |
|   |             | 6              | Determination of gas mixture composition for calibration                     | Gas analysis.Comparison methods for determining and checking the composition of calibration gas mixtures GB/T 10628-2008                 |      | 2023-07-24     |



No. CNAS L0269

第 14 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                                                                                                                                                                                              | Standard or Method                                                                                                                        | Note | Effective Date |
|---|-------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                                                                                                                                                                                              |                                                                                                                                           |      |                |
|   |             | 7              | Carbon monoxide, carbon dioxide and hydrocarbon                                                                                                                                                              | Determination of carbon monoxide, carbon dioxide and hydrocarbon in gases—Gas chromatographic method GB/T 8984-2008                       |      | 2023-07-24     |
|   |             | 8              | Fixed pollution source exhaust gas sulfur dioxide                                                                                                                                                            | Stationary source emission—Determination of sulfur dioxide — Fixed potential by electrolysis method HJ57-2017 appendix A                  |      | 2023-07-24     |
|   |             | 9              | Trace and trace components in gases                                                                                                                                                                          | Gas analysis - Gas chromatograph with helium ionization detector GB/T 28726-2012                                                          |      | 2023-07-24     |
|   |             | 10             | Sulfur dioxide and nitrogen oxides in standard gases, industrial gases and ambient air                                                                                                                       | Gas analysis—Determination of sulfur dioxide and nitrogen oxides—Ultraviolet differential optical absorption spectroscopy GB/T 37186-2018 |      | 2023-07-24     |
|   |             | 11             | Hydrogen, oxygen, nitrogen, carbon monoxide, carbon dioxide, neon, argon, xenon, krypton, methane, benzene and other hydrocarbon components in high purity gas, industrial gas, standard gas and other gases | Gas analysis—Gas chromatograph with plasma emission detector GB/T 37182-2018                                                              |      | 2023-07-24     |
|   |             | 12             | Refractive index                                                                                                                                                                                             | Liquid chemicals—Determination of refractive index at 20°C GB/T 6488-2022                                                                 |      | 2023-07-24     |
|   |             | 13             | Metal elements (Al、As、Ba、                                                                                                                                                                                    | General rules for atomic absorption spectrometric analysis GB/T 15337-2008                                                                |      | 2023-07-24     |



No. CNAS L0269

第 15 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                                                                                                                            | Standard or Method                                                                                                                       | Note | Effective Date |
|---|-------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                                                                                                                            |                                                                                                                                          |      |                |
|   |             |                | Ca、Cd、Cs、<br>Cr、Co、Cu、<br>Fe、Hg、Li、K、<br>Mg、Mn、Mo、<br>Na、Ni、Pb、Pd、<br>Sb、Se、Sn、Ti、<br>V、Zn)                                                |                                                                                                                                          |      |                |
|   |             | 14             | crunch strength                                                                                                                            | Test method for single pellet crush strength of fertilizer catalysts<br>HG/T 2782-2011                                                   |      | 2023-07-24     |
|   |             |                |                                                                                                                                            | Molecular sieve 3A GB/T10504-2017 5.6                                                                                                    |      | 2023-07-24     |
|   |             | 15             | sulfides content                                                                                                                           | Gas analysis. Determination of sulfides. Gas chromatograph with<br>flame photometric detector GB/T 28727-2012                            |      | 2023-07-24     |
|   |             | 16             | Fluoride ion,<br>chloride ion and<br>sulfate in water-<br>soluble alcohols,<br>aldehydes, ketones,<br>nitrile organic<br>chemical products | Determination of fluoride, chloride and sulphate in organic<br>chemical products for industrial use-Ion chromatography SN/T<br>2994-2011 |      | 2023-07-24     |
|   |             | 17             | A variety of anionic,<br>cationic amino<br>acids, sugars,<br>organic acids,<br>organic amine                                               | General rules of analytical methods for ion chromatography JY/T<br>0575-2020                                                             |      | 2023-07-24     |
|   |             | 18             | viscosity                                                                                                                                  | Determination for viscosity of liquids GB/T 22235-2008                                                                                   |      | 2023-07-24     |
|   |             | 19             | Crystallization Point<br>of Benzene                                                                                                        | Benzene-Determination of crystallizing point GB/T 3145-1982                                                                              |      | 2023-07-24     |



No. CNAS L0269

第 16 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object | Item/Parameter |                                                | Standard or Method                                                                                                             | Note                       | Effective Date |
|----|-------------|----------------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------|
|    |             | №              | Item/ Parameter                                |                                                                                                                                |                            |                |
|    |             | 20             | Volume density                                 | Test method pyhsical-chemical properties of electrical carbon product-Part 14:Volume density JB/T 8133.14-2013                 |                            | 2023-07-24     |
|    |             | 21             | Porosity                                       | Test method pyhsical-chemical properties of electrical carbon product-Part 15: Porosity JB/T 8133.15-2013                      |                            | 2023-07-24     |
|    |             | 22             | Water separation characteristic                | Standard Test Method for Determining Water Separation Characteristics of Aviation Fuels by Portable Separometer SH/T 0616-1995 |                            | 2023-07-24     |
|    |             | 23             | thermal stability                              | Test method for the thermal stability of chemicals by differential scanning calorimetry GB/T 22232-2008                        |                            | 2023-07-24     |
| 11 | medicine    | 1              | Structure indentification of organic compounds | General rules of analytical methods for elemental analyzer JY/T 0580-2020                                                      |                            | 2023-07-24     |
|    |             |                |                                                | Pharmacopoeia of the P.R.China (2020) (VolumeIV) General Guide 0441 Nuclear Magnetic Resonance Spectrometry                    |                            | 2023-07-24     |
|    |             |                |                                                | Pharmacopoeia of the P.R.China (2020) (VolumeIV) General Guide 0401 Ultraviolet Spectrophotometry                              |                            | 2023-07-24     |
|    |             |                |                                                | Pharmacopoeia of the P.R.China (2020) (VolumeIV) General Guide 0402 Infrared Spectrophotometry                                 |                            | 2023-07-24     |
|    |             |                |                                                | Pharmacopoeia of the P.R.China (2020) (VolumeIV) General Guide 0431 Mass Spectrum                                              | 只做 ESI 和 APCI 离子源的相<br>关测定 | 2023-07-24     |
|    |             | 2              | Crystal                                        | Pharmacopoeia of the P.R.China (2020) (VolumeIV) General Guide 0451 X-Ray Powder Diffraction                                   |                            | 2023-07-24     |
|    |             | 3              | Metal                                          | Pharmacopoeia of the P.R.China (2020) (VolumeIV) General Guide 0406 Atomic Absorption Spectrophotometry                        |                            | 2023-07-24     |
|    |             |                |                                                | Pharmacopoeia of the P.R.China (2020) (VolumeIV) General Guide 0411 Inductively Coupled Plasma Atomic Emission Spectrometry    |                            | 2023-07-24     |



No. CNAS L0269

第 17 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object | Item/Parameter |                                                | Standard or Method                                                                                                                                   | Note                    | Effective Date |
|----|-------------|----------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------|
|    |             | №              | Item/ Parameter                                |                                                                                                                                                      |                         |                |
|    |             |                |                                                | Pharmacopoeia of the P.R.China (2020) (VolumeIV) General Guide 0412 Inductively Coupled Plasma Mass Spectrometry                                     |                         | 2023-07-24     |
|    |             | 4              | Thermal                                        | Pharmacopoeia of the P.R.China (2020) (VolumeIV) General Guide 0661 Thermal Analysis                                                                 | only No. 1, No. 2       | 2023-07-24     |
|    |             | 5              | Structure indentification of organic compounds | Pharmacopoeia of the P.R.China (2020) (VolumeIV) General Guide 0861 Determination of Organic Solvent Residue                                         |                         | 2023-07-24     |
|    |             | 6              | Ion                                            | Pharmacopoeia of the P.R.China (2020) (VolumeIV) General Guide 0513 Ionic Chromatography                                                             |                         | 2023-07-24     |
|    |             | 7              | Component                                      | Pharmacopoeia of the P.R.China (2020) (VolumeIV) General Guide 0512 High Performance Liquid Chromatography                                           |                         | 2023-07-24     |
|    |             |                |                                                | Pharmacopoeia of the P.R.China (2020) (VolumeIV) General Guide 0521 Gas Chromatography                                                               |                         | 2023-07-24     |
|    |             |                |                                                |                                                                                                                                                      |                         | 2023-07-24     |
|    |             | 8              | optical rotation                               | Pharmacopoeia of the P.R.China (2020) (VolumeIV) General Guide 0621 The method for the determination of optical rotation                             |                         | 2023-07-24     |
|    |             | 9              | partical size and partical size distribution   | Pharmacopoeia of the P.R.China (2020) (VolumeIV) General Guide 0982 The method for the determination of partical size and partical size distribution | only No. 3              | 2023-07-24     |
|    |             | 10             | melting point                                  | Pharmacopoeia of the P.R.China (2020) (VolumeIV) General Guide 0612                                                                                  | Only the first method B | 2023-07-24     |
|    |             | 11             | pH                                             | Pharmacopoeia of the P.R.China (2020) (VolumeIV) General Guide 0631                                                                                  |                         | 2023-07-24     |
| 12 | water       | 1              | pH                                             | Water Quality—Determination of pH Value—Glass Electrode Method GB/T 6920-1986                                                                        |                         | 2023-07-24     |



No. CNAS L0269

第 18 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                                                                                                                                                                                                                  | Standard or Method                                                                                                                                                                                                                                                                        | Note | Effective Date |
|---|-------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                           |      |                |
|   |             |                |                                                                                                                                                                                                                                  | Standard examination methods for drinking water-Organoleptic and physical parameters GB/T5750.4-2006 5                                                                                                                                                                                    |      | 2023-07-24     |
|   |             | 2              | Inorganic anions                                                                                                                                                                                                                 | Water quality-determination of inorganic anions(F <sup>-</sup> 、Cl <sup>-</sup> 、NO <sub>2</sub> <sup>-</sup> 、Br <sup>-</sup> 、NO <sub>3</sub> <sup>-</sup> 、PO <sub>4</sub> <sup>3-</sup> 、SO <sub>3</sub> <sup>2-</sup> 、SO <sub>4</sub> <sup>2-</sup> )-Ion Chromatography HJ 84-2016 |      | 2023-07-24     |
|   |             | 3              | Inorganic non-metals in drinking water (sulfate, chloride, fluoride, cyanide, nitrate (N), sulfide, phosphate, ammonia (N), nitrite (N), iodide)                                                                                 | Standard examination methods for drinking water-Nonmortal paramerters GB/T 5750.5-2006                                                                                                                                                                                                    |      | 2023-07-24     |
|   |             | 4              | Organic matter in drinking water (carbon tetrachloride, vinyl chloride, trichloroethylene, tetrachloroethylene, acetonitrile, benzene, toluene, xylene, ethylbenzene, isopropylbenzene, nitrobenzene, styrene, carbon disulfide) | Standard examination methods for drinking water - Organic parameters GB/T 5750.8-2006                                                                                                                                                                                                     |      | 2023-07-24     |
|   |             | 5              | electrical conductivity                                                                                                                                                                                                          | Standards for drinking water quality GB/T5750.4-2006 6                                                                                                                                                                                                                                    |      | 2023-07-24     |



No. CNAS L0269

第 19 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object              | Item/Parameter |                                                                                                                                             | Standard or Method                                                                                                                                                                                                                        | Note | Effective Date |
|----|--------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|    |                          | №              | Item/ Parameter                                                                                                                             |                                                                                                                                                                                                                                           |      |                |
|    |                          |                |                                                                                                                                             | Analysis of water used in boil and cooling system – Determination of electrical conductivity GB/T6908-2018                                                                                                                                |      | 2023-07-24     |
|    |                          | 6              | sum of calcium and magnesium                                                                                                                | Water quality –Determination of the sum of calcium and magnesium-edta titrimetric method GB 7477-1987                                                                                                                                     |      | 2023-07-24     |
|    |                          | 7              | Industrial circulating cooling water and boiler water (fluorine ion, chloride ion, phosphate ion, nitrite ion, nitrate ion and sulfate ion) | Industrial circulating cooling water and boiler water- Determination of fluoride、chloride、phosphate、nitrite、nitrate and sulfate-Ion chromatography GB/T 14642-2009                                                                        |      | 2023-07-24     |
| 13 | Industrial stearic acids | 1              | Iodine value                                                                                                                                | Test methods for industrial stearic acids GB/T 9104-2022                                                                                                                                                                                  |      | 2023-07-24     |
|    |                          | 2              | Saponification value                                                                                                                        | Test methods for industrial stearic acids GB/T 9104-2022                                                                                                                                                                                  |      | 2023-07-24     |
|    |                          | 3              | acid value                                                                                                                                  | Test methods for industrial stearic acids GB/T 9104-2022                                                                                                                                                                                  |      | 2023-07-24     |
| 14 | liquid chemicals         | 1              | Potassium permanganate absorbance                                                                                                           | Caprolactam for industrial use - Determination of permanganate absorbance -Spectrometric method GB/T 13255.3-2009                                                                                                                         |      | 2023-07-24     |
|    |                          | 2              | Volatile base content                                                                                                                       | Caprolactam for industrial use - Determination of volatile bases content -titrimetric method after distillation GB/T13255.4-2009                                                                                                          |      | 2023-07-24     |
|    |                          | 3              | Colourity                                                                                                                                   | Color determination method of liquid chemicals(Hazen unit-platinum-cobalt scale) GB/T 3143-1982<br>Caprolactam for industrial use - Determination of colourity of 50% aqueous caprolactam solution -Spectrometric method GB/T13255.1-2009 |      | 2023-07-24     |
| 15 | epoxy coating            | 1              | Time of solidification                                                                                                                      | Technological specification of external fusion bonded epoxy coating for steel pipeline SY/T 0315-2013 AppendixA                                                                                                                           |      | 2023-07-24     |



No. CNAS L0269

第 20 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                | Standard or Method                                                                                              | Note | Effective Date |
|---|-------------|----------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                |                                                                                                                 |      |                |
|   |             |                |                                | External fusion bond epoxy coating for steel pipe/ Epoxy polyethylene coating for pipe CAN/CSAZ 245.20SERIES-22 |      | 2023-07-24     |
|   |             | 2              | gel time                       | Test methods for coating powders for electrical insulation GB/T 6554-2003                                       |      | 2023-07-24     |
|   |             |                |                                | External fusion bond epoxy coating for steel pipe/ Epoxy polyethylene coating for pipe CAN/CSAZ 245.20SERIES-22 |      | 2023-07-24     |
|   |             |                |                                | Determination of gel time of thermosetting coating powders at a given temperature<br>DIN16945-1989              |      | 2023-07-24     |
|   |             | 3              | Volatile matter content        | Test methods for coating powders for electrical insulation GB/T 6554-2003                                       |      | 2023-07-24     |
|   |             |                |                                | External fusion bond epoxy coating for steel pipe/ Epoxy polyethylene coating for pipe CAN/CSAZ 245.20SERIES-22 |      | 2023-07-24     |
|   |             | 4              | grain distributing             | Test methods for coating powders for electrical insulation GB/T 6554-2003                                       |      | 2023-07-24     |
|   |             | 5              | density                        | General rule for determination of density and relative density for chemical products GB/T 4472-2011             |      | 2023-07-24     |
|   |             |                |                                | Standard Test Method For Density of Liquid Coatings, Inks, and Related Products ASTM D 1475-2020                |      | 2023-07-24     |
|   |             | 6              | Contents of magnetic materials | General mill powder test methods for Contents of magnetic materials JB/T 6570-2020                              |      | 2023-07-24     |
|   |             |                |                                | External fusion bond epoxy coating for steel pipe/ Epoxy polyethylene coating for pipe CAN/CSAZ 245.20SERIES-22 |      | 2023-07-24     |
|   |             | 7              | Thermal characterist-ic        | Technological specification of external fusion bonded epoxy coating for steel pipeline SY/T0315-2013 Appendix B |      | 2023-07-24     |
|   |             |                |                                | External fusion bond epoxy coating for steel pipe/ Epoxy polyethylene coating for pipe CAN/CSAZ 245.20SERIES-22 |      | 2023-07-24     |
|   |             | 8              | Distillation                   | Standard Test Method for Distillation Range of Volatile Organic Liquids ASTM D1078 - 11(2019)                   |      | 2023-07-24     |
|   |             | 9              | precipitate                    | Standard Test Method for Settling Properties of Traffic Paints During Storage ASTM D 1309-1993(2015)            |      | 2023-07-24     |



No. CNAS L0269

第 21 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                                 | Standard or Method                                                                                                   | Note | Effective Date |
|---|-------------|----------------|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                                 |                                                                                                                      |      |                |
|   |             |                |                                                 | Standard Test Method for Evaluating Degree of Settling of Paint ASTM D869-21                                         |      | 2023-07-24     |
|   |             |                |                                                 | Standard test methods for volume nonvolatile content matter in clear or pigmented coatings ASTM D2697-2022           |      | 2023-07-24     |
|   |             | 10             | Solid contents                                  | Technical standard of liquid epoxy internal coating for steel pipeline SY/T 0457-2019                                |      | 2023-07-24     |
|   |             |                |                                                 | Paints, varnishes and plastics- Determination of non-volatile-matter content GB/T 1725-2007                          |      | 2023-07-24     |
|   |             |                |                                                 | Internal coatings of line pipe for non-corrosive gas transmission service SY/T 6530-2019                             |      | 2023-07-24     |
|   |             | 11             | Fineness                                        | Standard Test Method for Fineness of Dispersion of Pigment-Vehicle Systems by Hegman-Type Gage ASTM D1210-2005(2022) |      | 2023-07-24     |
|   |             | 12             | coarseness                                      | Standard Test Methods for Coarse Particles in Pigments, Pastes, and Paints1 ASTM D185-2007(2019)                     |      | 2023-07-24     |
|   |             | 13             | Water absorption                                | External fusion bond epoxy coating for steel pipe/ Epoxy polyethylene coating for pipe CAN/CSAZ 245.20SERIES-22      |      | 2023-07-24     |
|   |             | 14             | Gel time                                        | Standard test method for viscosity by Ford viscosity cup ASTM D1200-2010(2018)                                       |      | 2023-07-24     |
|   |             | 15             | Viscosity                                       | Standard test method for viscosity by Ford viscosity cup ASTM D1200-2010(2018)                                       |      | 2023-07-24     |
|   |             | 16             | Micro-hole                                      | Internal coatings of line pipe for non-corrosive gas transmission service SY/T 6530-2019 8.3.5.1                     |      | 2023-07-24     |
|   |             | 17             | wear resistance<br>(method of falling Abrasive) | Technological specification of external fusion bonded epoxy coating for steel pipeline” SY/T 0315-2013 Appendix H    |      | 2023-07-24     |
|   |             | 18             | cathode peel resistance                         | External polyethylene coating for pipe CSAZ 245.21-14 12.3                                                           |      | 2023-07-24     |
|   |             | 19             | Adhesion of coats-pull-off                      | Determination of adhesion of coats pull-off test CAN/CSAZ 245.20SERIES-22                                            |      | 2023-07-24     |



No. CNAS L0269

第 22 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object                                                 | Item/Parameter |                                 | Standard or Method                                                                                                | Note | Effective Date |
|----|-------------------------------------------------------------|----------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------|------|----------------|
|    |                                                             | №              | Item/ Parameter                 |                                                                                                                   |      |                |
|    |                                                             |                | Performance                     | Paints and varnishes - Pull-off test for adhesion ISO4624:2016                                                    |      | 2023-07-24     |
| 16 | FBE external fusion bonded epoxy coating for steel pipeline | 1              | cathode peel resistance         | Technological specification of external fusion bonded epoxy coating for steel pipeline" SY/T 0315-2013 Appendix C |      | 2023-07-24     |
|    |                                                             |                |                                 | Polyethylene coating for buried steel pipeline GB/T 23257-2017 Appendix D                                         |      | 2023-07-24     |
|    |                                                             | 2              | level of small opening quotiety | Technological specification of external fusion bonded epoxy coating for steel pipeline SY/T 0315-2013 Appendix F  |      | 2023-07-24     |
|    |                                                             | 3              | Flexural properties             | Technological specification of external fusion bonded epoxy coating for steel pipeline SY/T 0315-2013 Appendix D  |      | 2023-07-24     |
|    |                                                             | 4              | Impact strength                 | Polyethylene coating for buried steel pipeline GB/T 23257-2017 Appendix L                                         |      | 2023-07-24     |
|    |                                                             |                |                                 | Technological specification of external fusion bonded epoxy coating for steel pipeline SY/T 0315-2013 Appendix E  |      | 2023-07-24     |
|    |                                                             | 5              | adhesion, class                 | Technological specification of external fusion bonded epoxy coating for steel pipeline" SY/T 0315-2013 Appendix G |      | 2023-07-24     |
|    |                                                             |                |                                 | Polyethylene coating for buried steel pipeline GB/T 23257-2017 Appendix C                                         |      | 2023-07-24     |
|    |                                                             | 6              | cathode peel resistance         | Technological standard of FBE external fusion bonded epoxy coating for steel pipeline SY/T 0315-2013 Appendix I   |      | 2023-07-24     |
|    |                                                             | 7              | $\Delta T_g$                    | External fusion bond epoxy coating for steel pipe/ Epoxy polyethylene coating for pipe CAN/CSAZ 245.20SERIES-22   |      | 2023-07-24     |
|    |                                                             | 8              | Peel strength                   | Polyethylene coating for buried steel pipeline GB/T 23257-2017 Appendix K                                         |      | 2023-07-24     |
|    |                                                             |                |                                 | Internal coating of line for non-corrosive gas transmission service SY/T 6530-2019 8.3.5.7                        |      | 2023-07-24     |
|    |                                                             | 9              | Flexural resistance             | Polyethylene coating for buried steel pipeline GB/T 23257-2017 Appendix E                                         |      | 2023-07-24     |
|    |                                                             |                |                                 | Internal coating of line for non-corrosive gas transmission service SY/T 6530-2019 8.3.5.3                        |      | 2023-07-24     |



No. CNAS L0269

第 23 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                                                       | Standard or Method                                                                                               | Note | Effective Date |
|---|-------------|----------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                                                       |                                                                                                                  |      |                |
|   |             | 10             | Hardness of Buchholz                                                  | Polyethylene coating for buried steel pipeline GB/T 23257-2017 Appendix H                                        |      | 2023-07-24     |
|   |             |                |                                                                       | Paints and varnishes - Buchholz indentation test ISO 2815-2003                                                   |      | 2023-07-24     |
|   |             | 11             | air pressure to bubbling                                              | Internal coating of line for non-corrosive gas transmission service SY/T 6530-2019 6.5.1                         |      | 2023-07-24     |
|   |             | 12             | hydraulic pressure to bubbling                                        | Internal coating of line for non-corrosive gas transmission service SY/T 6530-2019 6.5.1                         |      | 2023-07-24     |
|   |             | 13             | Abrasion Resistance                                                   | Standard Test Methods for Abrasion Resistance of Organic Coatings by Falling Abrasive ASTM D968-22               |      | 2023-07-24     |
|   |             | 14             | Time of solidification                                                | Polyethylene coating for buried steel pipeline GB/T 23257-2017AppendixA                                          |      | 2023-07-24     |
|   |             | 15             | Thermal characteristic                                                | Polyethylene coating for buried steel pipeline GB/T 23257-2017Appendix B                                         |      | 2023-07-24     |
|   |             | 16             | Oxidative-Induction Time                                              | Polyethylene coating for buried steel pipeline GB/T 23257-2017Appendix F                                         |      | 2023-07-24     |
|   |             | 17             | Water absorption                                                      | Determination of moisture content of acetic fibrin HG/T 2751-1996                                                |      | 2023-07-24     |
|   |             | 18             | erode resistance of chemistry medium (dip in 7d) /%                   | Polyethylene coating for buried steel pipeline GB/T 23257-2017Appendix I                                         |      | 2023-07-24     |
|   |             |                |                                                                       | Technological specification of external fusion bonded epoxy coating for steel pipeline SY/T 0315-2013 Appendix J |      | 2023-07-24     |
|   |             | 19             | Light aging performance                                               | Polyethylene coating for buried steel pipeline GB/T 23257-2017Appendix J                                         |      | 2023-07-24     |
|   |             | 20             | basis material, sub thickness of thermal shrinkage sheath or cingulum | Polyethylene coating for buried steel pipeline GB/T 23257-2017 table11                                           |      | 2023-07-24     |
|   |             | 21             | Heat impact of basis material(225°C,4h)                               | Polyethylene coating for buried steel pipeline GB/T 23257-2017 Appendix N                                        |      | 2023-07-24     |



No. CNAS L0269

第 24 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object        | Item/Parameter |                            | Standard or Method                                                                                                          | Note | Effective Date |
|----|--------------------|----------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|------|----------------|
|    |                    | №              | Item/ Parameter            |                                                                                                                             |      |                |
|    |                    | 22             | Low-temperature            | Polyethylene coating for buried steel pipeline GB/T 23257-2017 Appendix O                                                   |      | 2023-07-24     |
|    |                    | 23             | Peel strength              | Test method for peel strength of pressure-sensitive tape at 180 angle GB/T 2792-2014                                        |      | 2023-07-24     |
|    |                    | 24             | Marinated in the hot water | Polyethylene coating for buried steel pipeline GB/T 23257-2017 Appendix M、P                                                 |      | 2023-07-24     |
|    |                    | 25             | Drying, Curing             | Standart Test Method for Drying ,Curing,or Film Formation of Organic Coatings at Room Temperature ASTMD1640/1640M-14 (2022) |      | 2023-07-24     |
|    |                    | 26             | Water Resisistance         | Standart Test Practice for Testing Water Resisistance of Coatings Using Water Immersion ASTMD870-2015(2020)                 |      | 2023-07-24     |
|    |                    | 27             | gouge gesistance           | Test method for measurement of gouge resisistance of coating sestem SY/T4113.1-2018                                         |      | 2023-07-24     |
|    |                    | 28             | Penetratinon Resisistance  | Standart Test Method for Penetratinon Resisistance of Pipeline Coatings (Blunt Rod) ASTM G17-(2020)                         |      | 2023-07-24     |
| 17 | Metallic materials | 1              | Salt aging performance     | Corrosion tests in artificial atmosphere—salt spray tests GB/T 10125-2021                                                   |      | 2023-07-24     |
|    |                    | 2              | Metal and oxide            | Analytical methods of metallurgical products—General rule for X-ray fluorescence spectrometric methods GB/T 16597-2019      |      | 2023-07-24     |
|    |                    |                |                            | General rules for wavelength dispersive X-ray fluorescence spectrometry JY/T 016-1996                                       |      | 2023-07-24     |
|    |                    |                |                            | Quantitative analysis using energy dispersive spectrometry GB/T 17359-2012                                                  |      | 2023-07-24     |
|    |                    |                |                            | General rules for measurement of length in micron scale by SEM GB/T 16594-2008                                              |      | 2023-07-24     |
|    |                    |                |                            | General rules of analytical methods for scanning electron microscope JY/T 0584-2020                                         |      | 2023-07-24     |
|    |                    |                |                            | Low alloy steel Determination of muti-element contents Inductively coupled plasma atomic emission spectrometric             |      | 2023-07-24     |



No. CNAS L0269

第 25 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                 | Standard or Method                                                                                                                                                                                                                                                             | Note                                                                            | Effective Date |
|---|-------------|----------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------|
|   |             | №              | Item/ Parameter                 |                                                                                                                                                                                                                                                                                |                                                                                 |                |
|   |             |                |                                 | method GB/T 20125-2006                                                                                                                                                                                                                                                         |                                                                                 |                |
|   |             |                |                                 | The methods for chemical analysis of zinc and zinc alloys The determination of lead, cadmium, iron, copper, tin, aluminium, arsenic, stibium, magnesium, lanthanum and cerium contents The inductively coupled plasma optical emission spectrometric method GB/T 12689.12-2004 |                                                                                 | 2023-07-24     |
|   |             | 3              | total carbon and sulfur content | Steel and iron-Determination of total carbon and sulfur content Infrared absorption method after combustion in an induction furnace (routine method) GB/T 20123-2006                                                                                                           |                                                                                 | 2023-07-24     |
|   |             | 4              | Tensile testing                 | Metallic materials—Tensile testing Part 1 methond of test at room temperature GB/T 228.1-2021                                                                                                                                                                                  | Accredited only for $R_m$ 、 $R_{eL}$ 、 $R_{p0.2}$ 、 $A$ 、 $Z$ at $F \leq 200kN$ | 2023-07-24     |
|   |             |                |                                 | Technological standard of Malleable cast iron fittings with screw thread ABNT NBR 6943-2016 /6.1.3                                                                                                                                                                             |                                                                                 | 2023-07-24     |
|   |             |                |                                 | Test method for dynamic tension of metallic materials GJB 8374-2015                                                                                                                                                                                                            |                                                                                 | 2023-07-24     |
|   |             |                |                                 | Metallic materials—Tensile testing at high strain rates—Part 1:Elastic-bar-type systems GB/T30069.1-2013                                                                                                                                                                       |                                                                                 | 2023-07-24     |
|   |             |                |                                 | Metallic materials-High strain rate test method at elevated temperature GB/T 37783-2019                                                                                                                                                                                        | Accredited only for Temperature $\leq 1000^\circ C$                             | 2023-07-24     |
|   |             | 5              | Metallic Rockwell hardness      | Metallic materials-Rockwell hardness test—Part1:Test method(scales A,B,C,D,E,F,G,H,K,N,T) GB/T 230.1-2018                                                                                                                                                                      | Accredited only for HRA,HRB, HRC                                                | 2023-07-24     |



No. CNAS L0269

第 26 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                                  | Standard or Method                                                                                                     | Note | Effective Date |
|---|-------------|----------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                                  |                                                                                                                        |      |                |
|   |             |                |                                                  | Hardmetals-Rock well hardness(scale A)test method<br>GB/T3849.1-2015                                                   |      | 2023-07-24     |
|   |             | 6              | Squash test                                      | Technological standard of Malleable cast iron fittings with screw<br>thread ABNT NBR 6943-2016 /6.1.4                  |      | 2023-07-24     |
|   |             |                |                                                  | Steel pipes of complex plastics. GB/T 28897-2012 /7.4.8                                                                |      | 2023-07-24     |
|   |             | 7              | hydrostatic pressure<br>test                     | Technological standard of Malleable cast iron fittings with screw<br>thread ABNT NBR 6943-2016 /6.4                    |      | 2023-07-24     |
|   |             | 8              | galvanized layer<br>adhevence<br>assay,thickness | Technological standard of Malleable cast iron fittings with screw<br>thread ABNT NBR 6943-2016 /6.2.1.2                |      | 2023-07-24     |
|   |             | 9              | Appearance                                       | Technological standard of Malleable cast iron fittings with screw<br>thread ABNT NBR 6943-2016 /5.3.1.5                |      | 2023-07-24     |
|   |             |                |                                                  | Steel pipes of complex plastics. GB/T 28897-2021 /8.2                                                                  |      | 2023-07-24     |
|   |             | 10             | Thread diameter                                  | Technological standard of Malleable cast iron fittings with screw<br>thread ABNT NBR 6943-2016 /6.3.2                  |      | 2023-07-24     |
|   |             | 11             | Chemnical content                                | Technological standard of Malleable cast iron fittings with screw<br>thread ABNT NBR 6943-2016 6.2.1.1                 |      | 2023-07-24     |
|   |             | 12             | Coaxiality                                       | Technological standard of Malleable cast iron fittings with screw<br>thread ABNT NBR 6943-2016 /6.3.3                  |      | 2023-07-24     |
|   |             | 13             | Zinc coating                                     | Hot-dip galvanized zinc-coated cast steel or iron product-zinc<br>coating uniformity test NBR 7400-2015                |      | 2023-07-24     |
|   |             |                |                                                  | Zinc-coated steel wire-test method for uniformity of zinc coating<br>on wire by the copper sulphate dip GB/T 2972-2016 |      | 2023-07-24     |
|   |             | 14             | dynamic<br>compression                           | Test method for the dynamic compression of metallic materials<br>GJB 8799-2015                                         |      | 2023-07-24     |
|   |             |                |                                                  | Metallic materials-High strain rate compression test method at<br>ambient temperature GB/T 34108-2017                  |      | 2023-07-24     |
|   |             | 15             | Brinell hardness                                 | Metallic materials-Brinell hardness test-Part 1:Test method                                                            |      | 2023-07-24     |



No. CNAS L0269

第 27 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object              | Item/Parameter |                               | Standard or Method                                                                                                               | Note | Effective Date |
|----|--------------------------|----------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|    |                          | №              | Item/ Parameter               |                                                                                                                                  |      |                |
|    |                          |                |                               | GB/T231.1-2018                                                                                                                   |      |                |
|    |                          | 16             | size                          | Technological standard of Malleable cast iron fittings with screw thread ABNT NBR 6943-2016 /5.5                                 |      | 2023-07-24     |
|    |                          | 17             | Pump off Test                 | Technological standard of Malleable cast iron fittings with screw thread ABNT NBR 6943-2016 /6.5                                 |      | 2023-07-24     |
|    |                          | 18             | Adherence Assay               | Technological standard of Malleable cast iron fittings with screw thread ABNT NBR 6943-2016 /6.2.1.4                             |      | 2023-07-24     |
|    |                          | 19             | adhevence                     | Steel pipes of complex plastics. GB/T 28897-2021 /8.6                                                                            |      | 2023-07-24     |
| 18 | Metal and Metal products | 1              | Ultrasonic testing            | Method of ultrasonic longitudinal wave testing for steel forgings GB/T 6402-2008                                                 |      | 2023-07-24     |
|    |                          |                |                               | Non-destructive testing of welds - ultrasonic testing - techniques, testing levels, and assessment GB/T 11345-2013               |      | 2023-07-24     |
|    |                          |                |                               | Non-destructive testing - practice for ultrasonic testing of circumferential butt welds in steel pipes and tubes GB/T 15830-2008 |      | 2023-07-24     |
|    |                          |                |                               | Nondestructive testing standard of oil and gas steel pipeline SY/T 4109-2020 /6 UT                                               |      | 2023-07-24     |
|    |                          |                |                               | Mechanized ultrasonic testing technology specification for oil & gas construction pipeline project GB/T 50818-2013               |      | 2023-07-24     |
|    |                          | 2              | Thickness measuring           | Non-destructive testing - practice for Measuring thickness by ultrasonic pulse-echo contact method GB/T 11344-2021               |      | 2023-07-24     |
|    |                          | 3              | Ultrasonic velocity measuring | GB/T23900-2009                                                                                                                   |      | 2023-07-24     |
|    |                          | 4              | Liquid penetrant testing      | Nondestructive testing standard of oil and gas steel pipeline SY/T 4109-2020 /8                                                  |      | 2023-07-24     |
|    |                          | 5              | Radiographic testing          | Radiographic testing GJB 1187A-2019                                                                                              |      | 2023-07-24     |



No. CNAS L0269

第 28 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object          | Item/Parameter |                                                    | Standard or Method                                                                                          | Note                      | Effective Date |
|----|----------------------|----------------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------|----------------|
|    |                      | №              | Item/ Parameter                                    |                                                                                                             |                           |                |
|    |                      |                |                                                    | GBT 3323.1-2019                                                                                             |                           | 2023-07-24     |
|    |                      |                |                                                    | GBT 3323.2-2019                                                                                             |                           | 2023-07-24     |
|    |                      |                |                                                    | Methods for radiographic testing GJB 5364-2005                                                              |                           | 2023-07-24     |
|    |                      |                |                                                    | Nondestructive testing standard of oil and gas steel pipeline SY/T 4109-2020 /4,5                           |                           | 2023-07-24     |
|    |                      | 6              |                                                    | Magnetic particle testing GJB 2028A-2019                                                                    |                           | 2023-07-24     |
| 19 | Sandwich materials   | 1              | latwise tension strength                           | Test method for flatwise tension strength of nonmetal sandwich constructions GB/T 1452-2018                 |                           | 2023-07-24     |
|    |                      |                |                                                    | Method for Platwise Tensile of Sandwich Constructions ASTM C297/297M-2016                                   |                           | 2023-07-24     |
|    |                      | 2              | flatwise compression properties                    | Test method for flatwise compression properties of nonmetal sandwich constructions or cores GB/T 1453-2022  |                           | 2023-07-24     |
|    |                      | 3              | edgewise compressive properties                    | Test method for edgewise compressive properties of sandwich constructions GB/T 1454-2021                    |                           | 2023-07-24     |
|    |                      | 4              | shesr properties                                   | Test method for shesr properties of sandwich constructions or cores GB/T 1455-2022                          |                           | 2023-07-24     |
|    |                      |                |                                                    | Standard Test Method for Core Shear Properties of Sandwich Constructions by Beam Flexure ASTM C393/C393M-20 |                           | 2023-07-24     |
|    |                      | 5              | flexural properties                                | Test method for flexural properties of sandwith constructions GB/T 1456-2021                                |                           | 2023-07-24     |
|    |                      | 6              | peel                                               | Test method for climbing drum peel of sandwich constructions GB/T 1457-2022                                 |                           | 2023-07-24     |
| 20 | Insulating materials | 1              | The permittivity and dielectric dissipation factor | Rubber vulcanized—Determination of dielectric constant and dielectric loss tangent GB/T 1693-2007           | Accredited only for plate | 2023-07-24     |



No. CNAS L0269

第 29 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object               | Item/Parameter |                              | Standard or Method                                                                                                                                                                                            | Note                                         | Effective Date |
|----|---------------------------|----------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------|
|    |                           | №              | Item/ Parameter              |                                                                                                                                                                                                               |                                              |                |
|    |                           | 2              | Resistance or conductance    | Methods for the determination of the permittivity and dielectric dissipation factor of solid electrical insulating materials at power, audio and radio frequencies including metre wavelengths GB/T 1409-2006 | electrode test                               | 2023-07-24     |
|    |                           |                |                              | Solid insulating materials-Dielectric and resistive properties - Part2:Resistive properties(DC methods Volume resistance and volume resistivity-General method) IEC 62631-3-1:2016                            |                                              | 2023-07-24     |
|    |                           |                |                              | Solid insulating materials-Dielectric and resistive properties - Part3:Resistive properties(DC methods Surface resistance and Surface resistivity IEC 62631-3-2:2015                                          |                                              | 2023-07-24     |
|    |                           |                |                              | Vulcanized rubber- Determination of the insulation resistivity GB/T 1692-2008                                                                                                                                 |                                              | 2023-07-24     |
|    |                           |                |                              |                                                                                                                                                                                                               |                                              |                |
|    |                           | 3              | Electric strength            | Methods of test for electric strength of solid insulating materials – Test at power frequencies GB/T 1408.1-2016                                                                                              | Accredited only for diameter 25mm motor test | 2023-07-24     |
|    |                           | 4              | Glass-transition temperature | Electrical insulating materials-Methods of test for the determination of the glass transition temperature GB/T 22567-2008                                                                                     |                                              | 2023-07-24     |
| 21 | fiber reinforced plastics | 1              | Ultrasonic testing           | Non-destructive inspecting methods for fiber reinforced Composite Part1:Ultrasonic testing GJB 1038.1A-2004                                                                                                   |                                              | 2023-07-24     |
|    |                           |                |                              | Ultrasonic testing method for fiber reinforced resin matrix composites ——C-scan method GB/T 38537-2020                                                                                                        |                                              | 2023-07-24     |
|    |                           | 2              | Radiographic testing         | Non-destructive inspecting methods for fiber reinforced composite Part2:X-ray Radiographic testing GJB 1038.2A-2004                                                                                           |                                              | 2023-07-24     |
|    |                           | 3              | Acoustic Emission testing    | Test method for composite structures using acoustic emission QJ 2914-1997                                                                                                                                     |                                              | 2023-07-24     |



| №  | Test Object       | Item/Parameter |                                | Standard or Method                                                                                                                                          | Note | Effective Date |
|----|-------------------|----------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|    |                   | №              | Item/ Parameter                |                                                                                                                                                             |      |                |
|    |                   | 4              | Industrial CT inspection       | Industrial computer tomographic (CT) inspection GJB 5312-2004                                                                                               |      | 2023-07-24     |
|    |                   |                |                                | Test method on fiber reinforced resin matrix composites by industrial computed tomography(CT) GB/T 38535-2020                                               |      | 2023-07-24     |
|    |                   | 5              | Short-Beam Strength            | Standard Test Method for Short-Beam Strength of Polymer Matrix Composite Material and Their Laminates。 ASTM D2344/2344M-22                                  |      | 2023-07-24     |
|    |                   | 6              | Tensile properties             | Standard Test Method for Tensile Properties of Polymer Matrix Composite Materials ASTM D3039/D3039M-17                                                      |      | 2023-07-24     |
|    |                   | 7              | Compressive Properties         | Standard Test Method for Compressive Properties of Polymer Matrix Composite Materials with Unsupported Gage Section by Shear Loading。 ASTM D3410/3410M-2016 |      | 2023-07-24     |
|    |                   | 8              | fatigue                        | Test methods for fatigue of carbon fiber resin matrix composite laminates GJB 2637-2009                                                                     |      | 2023-07-24     |
|    |                   | 9              | Dynamic punch-shear properties | Dynamic punch-shear properties test method for fibre reinforced composites GB/T 32377-2015                                                                  |      | 2023-07-24     |
|    |                   | 10             | glass transition temperature   | Test method for glass transition temperature of polymer matrix composites—Dynamic mechanical analysis (DMA) GB/T 40396-2021                                 |      | 2023-07-24     |
| 22 | Rubber or Product | 1              | solid content                  | Natural latex - Determination of solid content ISO 124: 2014 (E)                                                                                            |      | 2023-07-24     |
|    |                   | 2              | Volatile -matter content       | Import and export standard resin-Determination of volatile matter SN/T 0541.4-2010                                                                          |      | 2023-07-24     |
|    |                   | 3              | Ash content                    | Import and export standard resin-Determination of ash SN/T 0541.3-2010                                                                                      |      | 2023-07-24     |
|    |                   |                |                                | Rubber—Determination of ash—Part 1:Muffle furnace method GB/T 4498.1-2013                                                                                   |      | 2023-07-24     |
|    |                   | 4              | Viscosity                      | Natural rubber latex concentrate-Prevulcanized rubber latex-Determination of viscosity GB/T 14797.2-2008                                                    |      | 2023-07-24     |



No. CNAS L0269

第 31 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                                | Standard or Method                                                                                                                 | Note | Effective Date |
|---|-------------|----------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                                |                                                                                                                                    |      |                |
|   |             | 5              | Mooney viscosity                               | Rubber,unvulcanized-Determination of mooney viscosity GB/T 1232.1-2016                                                             |      | 2023-07-24     |
|   |             |                |                                                | Standard test method for rubber-viscosity,stress relaxation,and prevulcanization characteristics(money viscometer) ASTM D 1646-19a |      | 2023-07-24     |
|   |             | 6              | apparent density                               | Cellular plastics and rubbers-Determination of apparent (bulk) density GB/T 6343-2009                                              |      | 2023-07-24     |
|   |             | 7              | Nitrogen content                               | Rubber, raw natural and rubber latex, natural - Determination of nitrogen content GB/T 8088-2008                                   |      | 2023-07-24     |
|   |             | 8              | pH                                             | Rubber and plastics-Polymer dispersion and rubber lastices-Ddtermination of pH ISO 976-2013                                        |      | 2023-07-24     |
|   |             | 9              | Dry rubber content                             | Natutal rubber latex concentrate - Determination of dry rubber content GB/T 8299-2008                                              |      | 2023-07-24     |
|   |             |                |                                                | Natutal rubber latex concentrate - Determination of dry rubber content ISO 126: 2005 (E)                                           |      | 2023-07-24     |
|   |             | 10             | Ammonia content                                | Natural rubber latex - Determination of ammonia content ISO 125: 2020 (E)                                                          |      | 2023-07-24     |
|   |             | 11             | KOH number of rubber natural latex concentrate | Polyvinyl chloride resins for Paste - Determination of number of impurities particles and foreign particles ISO 127: 2018 (E)      |      | 2023-07-24     |
|   |             | 12             | Heavy metal content                            | Rubber—Determination of Iead content by atomic absorption spectrometry GB/T 9874-2001                                              |      | 2023-07-24     |
|   |             |                |                                                | Rubber—Determination of iron content by atomic absorption spectrometry GB/T 11201-2002                                             |      | 2023-07-24     |
|   |             |                |                                                | Rubber—Determination of manganese content by atomic absorption spectrometry GB/T 13253-2006                                        |      | 2023-07-24     |
|   |             | 13             | Dirt content                                   | Raw natural rubber-Determination of dirt GB/T8086-2019                                                                             |      | 2023-07-24     |
|   |             | 14             | Identification of rubber                       | Rubber – Indentification - Infrared spectrometric method GB/T 7764-2017                                                            |      | 2023-07-24     |



No. CNAS L0269

第 32 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                          | Standard or Method                                                                                                             | Note | Effective Date |
|---|-------------|----------------|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                          |                                                                                                                                |      |                |
|   |             | 15             | black content                            | Rubber—Determination of carbon black content—Pyrolytic method GB/T 3515-2005                                                   |      | 2023-07-24     |
|   |             | 16             | Rubber content                           | Vulcanized Rubber—Determination of Rubber content — Furnace tube pyrolytic method HG/T 3837-2008 (2014)                        |      | 2023-07-24     |
|   |             | 17             | solvent extract                          | Rubber—Determination of solvent extract GB/T 3516-2006                                                                         |      | 2023-07-24     |
|   |             | 18             | Sieve residue of carbon black            | Carbon black used in rubber products - Determination of sieve residue - Water washing method GB/T 3780.21- 2016                |      | 2023-07-24     |
|   |             | 19             | tensile stress-strain properties         | Rubber, vulcanized or thermoplastic ---- Determination of tensile stress-strain properties GB/T 528-2009                       |      | 2023-07-24     |
|   |             |                |                                          | Rubber, vulcanized or thermoplastic ---- Determination of tensile stress-strain properties ISO 37:2017 (E)                     |      | 2023-07-24     |
|   |             |                |                                          | Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers - Tension ASTM D412-16(2021)                          |      | 2023-07-24     |
|   |             | 20             | tensile strength and elongation at break | Ebonite ---- Determination of tensile strength and elongation at break HG/T3849-2008                                           |      | 2023-07-24     |
|   |             | 21             | adhesion to metal ---<br>- Tension       | Rubber, vulcanized Determination of adhesion to metal ---- Tension method GB/T11211-2009                                       |      | 2023-07-24     |
|   |             | 22             | Tear strength                            | vulcanized or thermoplastic-Determination of tear strength( Trouser, angle and crescent test pieces) GB/T 529-2008             |      | 2023-07-24     |
|   |             |                |                                          | vulcanized or thermoplastic-Determination of tear strength- Part 1: Trouser, angle and crescent test pieces ISO 34-1: 2022 (E) |      | 2023-07-24     |
|   |             | 23             | rebound resilience                       | Rubber-determination of rebound resilience of vulcanizates GB/T 1681-2009                                                      |      | 2023-07-24     |
|   |             | 24             | Compressive properties                   | Vulcanized rubber ---- Testing short time static compression HG/T3843-2008 (2017)                                              |      | 2023-07-24     |
|   |             | 25             | compression stress-strain properties     | Rubber, vulcanized or thermoplastic ---Determination of compression stress-strain properties GB/T 7757-2009                    |      | 2023-07-24     |



| № | Test Object | Item/Parameter |                         | Standard or Method                                                                                                                                 | Note | Effective Date |
|---|-------------|----------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter         |                                                                                                                                                    |      |                |
|   |             |                |                         | Plate type elastomeric pad bearings for highway bridges JT/T 4-2019 Appendix A                                                                     |      | 2023-07-24     |
|   |             |                |                         | Spherical bearings for bridges GB/T 17955-2009 Appendix A、B                                                                                        |      | 2023-07-24     |
|   |             |                |                         | Pot bearings for railway bridge TB/T 2331-2013 Appendix B、C                                                                                        |      | 2023-07-24     |
|   |             |                |                         | Rubber bearings-Part 4:Normal rubber bearings GB 20688.4-2007 Appendix A、B                                                                         |      | 2023-07-24     |
|   |             |                |                         | Pot bearings for highway bridges JT/T 391-2019 Appendix B、C                                                                                        |      | 2023-07-24     |
|   |             | 26             | crunch strength         | Ebonite-Determination of crushing strength HG/T 3863-2008                                                                                          |      | 2023-07-24     |
|   |             | 27             | compression set         | Rubber, vulcanized or thermoplastic ---- Determination of compression set at ambient elevated or low temperatures GB /T7759.1-20.15                |      | 2023-07-24     |
|   |             | 28             | Ebonite Impact strength | Ebonite ---- Method of test for impact strength HG/T 3845-2008                                                                                     |      | 2023-07-24     |
|   |             | 29             | Rubber Hardness         | Rubber--Determination of indentation hardness by means of pocket hardness meters GB/T 531.1-2008                                                   |      | 2023-07-24     |
|   |             |                |                         | Standard Test Method for Rubber Property—Durometer Hardness ASTM D2240-15(2021)                                                                    |      | 2023-07-24     |
|   |             |                |                         | Rubber vulcanized or thermoplastic --Determination of hardness Part4: Indentation hardness by durometer method (Shore hardness) ISO 48-4: 2018 (E) |      | 2023-07-24     |
|   |             | 30             | Thermostability         | Ebonite--Method of test for resistance to heating HG/T 3847-2008                                                                                   |      | 2023-07-24     |
|   |             | 31             | Brittleness temperature | Rubber, vulcanized or thermoplastic-Determination of low temperature brittleness (multiple test piece method) GB/T 15256-2014                      |      | 2023-07-24     |



No. CNAS L0269

第 34 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                       | Standard or Method                                                                                                                                                  | Note                         | Effective Date |
|---|-------------|----------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------|
|   |             | №              | Item/ Parameter                       |                                                                                                                                                                     |                              |                |
|   |             | 32             | Determination of the effect of liquid | Rubber, vulcanized or thermoplastic-Determination of the effect of liquid GB/T 1690-2010                                                                            |                              | 2023-07-24     |
|   |             | 33             | Burning behaviour                     | Rubber - Determination of the burning GB/T 10707-2008                                                                                                               |                              | 2023-07-24     |
|   |             | 34             | density                               | Rubber, vulcanized -Determination of density GB/T533-2008                                                                                                           |                              | 2023-07-24     |
|   |             |                |                                       | Rubber,vulcanized or thermoplastic-Determination of density ISO2781:2018(E)                                                                                         | Accredited only for method A | 2023-07-24     |
|   |             | 35             | Heat aging performance                | Rubber, vulcanized-Accelerated aging or heat-resistance test-Air-oven method GB/T 3512-2014                                                                         |                              | 2023-07-24     |
|   |             |                |                                       | rubber, vulcanized or thermoplastic--estimation of life-time and maximum temperature of use from an arrhenius plot GB/T 20028-2005                                  |                              | 2023-07-24     |
|   |             |                |                                       | rubber, vulcanized-directives for determination of storage characteristics using accelerated aging or heat air-oven method part 1:test code GJB 92.1-1986           |                              | 2023-07-24     |
|   |             |                |                                       | rubber, vulcanized-directives for determination of storage characteristics using accelerated aging or heat air-oven method part 2:statistical methods GJB 92.2-1986 |                              | 2023-07-24     |
|   |             |                |                                       | method of accelerated determination for shelf-life of rubber static sealing parts HG/T 3087-2001                                                                    |                              | 2023-07-24     |
|   |             | 36             | Light aging performance               | Rubber,vulcanized or thermoplastic-Resistance to weathering GB/T 3511-2018                                                                                          |                              | 2023-07-24     |
|   |             |                |                                       | rubber ,vulcanized--Test method of resistance to artificial weatherring(Fluorescent UV lamp) GB/T 16585-1996                                                        |                              | 2023-07-24     |
|   |             | 37             | Damp heat aging performance           | Rubber, vulcanized-Test method of damp heat aging GB/T 15905-1995                                                                                                   |                              | 2023-07-24     |
|   |             | 38             | electrical breakdown strength         | Rubber ,vulcanized--determination of electrical breakdown strength and voltage resistant at commercial power frequency                                              |                              | 2023-07-24     |



| № | Test Object | Item/Parameter |                                                  | Standard or Method                                                                                | Note | Effective Date |
|---|-------------|----------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                                  |                                                                                                   |      |                |
|   |             |                |                                                  | GB/T 1695-2005                                                                                    |      |                |
|   |             | 39             | shear modulus                                    | Plate type elastomeric pad bearings for highway bridges JT/T 4-2019 A.4.2                         |      | 2023-07-24     |
|   |             |                |                                                  | Rubber bearings-Part 4:Normal rubber bearings GB 20688.4-2007 A.5.2                               |      | 2023-07-24     |
|   |             | 40             | friction ratio                                   | Plate type elastomeric pad bearings for highway bridges JT/T 4-2019 A.4.5                         |      | 2023-07-24     |
|   |             |                |                                                  | Spherical bearings for bridges GB/T 17955-2009 附录 C                                               |      | 2023-07-24     |
|   |             |                |                                                  | Pot bearings for railway bridge TB/T 2331-2013 Appendix A、D                                       |      | 2023-07-24     |
|   |             |                |                                                  | Rubber bearings-Part 4:Normal rubber bearings GB 20688.4-2007 Appendix A、B                        |      | 2023-07-24     |
|   |             |                |                                                  | Pot bearings for highway bridges JT/T 391-2019 Appendix A、D                                       |      | 2023-07-24     |
|   |             | 41             | turn angle                                       | Plate type elastomeric pad bearings for highway bridges JT/T 4-2019 A.4.6                         |      | 2023-07-24     |
|   |             |                |                                                  | Spherical bearings for bridges GB/T 17955-2009 附录 D                                               |      | 2023-07-24     |
|   |             |                |                                                  | Pot bearings for railway bridge TB/T 2331-2020 附录 E                                               |      | 2023-07-24     |
|   |             |                |                                                  | Rubber bearings-Part 4:Normal rubber bearings GB 20688.4-2007 Appendix A、B                        |      | 2023-07-24     |
|   |             |                |                                                  | Pot bearings for highway bridges JT/T 391-2009 附录 E                                               |      | 2023-07-24     |
|   |             | 42             | coefficient of cold resistance under compression | Vulcanized rubber-Determination of coefficient of cold resistance under compression HG/T3866-2008 |      | 2023-07-24     |
|   |             | 43             | abrasion resistance                              | Rubber vulcanized-Determination of abrasion resistance(Akron machine) GB/T 1689-2014              |      | 2023-07-24     |



No. CNAS L0269

第 36 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object                 | Item/Parameter |                                           | Standard or Method                                                                                                                                                                                                                                             | Note                | Effective Date |
|----|-----------------------------|----------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------|
|    |                             | №              | Item/ Parameter                           |                                                                                                                                                                                                                                                                |                     |                |
|    |                             | 44             | ozone aging performance                   | Rubber,vulcanized or thermoplastic-Resistance to ozone cracking-static strain test GB/T 7762-2014                                                                                                                                                              |                     | 2023-07-24     |
|    |                             | 45             |                                           | Rubber,vulcanized-Resistance to ozone aging-Dynamic strain test method GB/T 13642-2015                                                                                                                                                                         |                     | 2023-07-24     |
|    |                             |                |                                           | Standard Test Method for Rubber -Compositional Analysis by Thermogravimetry(TGA) ASTM D6370-99 (2019)                                                                                                                                                          |                     | 2023-07-24     |
|    |                             |                |                                           | Rubber and rubber products-Determination of the composition of vulcanizates and uncured compounds by thermogravimetry—Part 1 Butadiene, ethylene-propylene copolymer and terpolymer,isobutene-isoprene,isoprene and strene-butadiene rubbers GB/T 14837.1-2014 |                     | 2023-07-24     |
|    |                             |                |                                           | Rubber and rubber products-Determination of the composition of vulcanizates and uncured compounds by thermogravimetry—Part 2 Acrylonitrile-butadiene and halobutyl rubbers GB/T 14837.2-2014                                                                   |                     | 2023-07-24     |
|    |                             |                |                                           | Rubber and rubber products-Determination of the composition of vulcanizates and uncured compounds by thermogravimetry—Part 3 Hydrocarbon rubbers, halogenated rubbers and polysiloxane rubbers after extraction GB/T 14837.3-2018                              |                     | 2023-07-24     |
|    |                             | 46             | phthalate esters                          | Rubber product—Determination of phthalate acid esters GB/T 29608-2013                                                                                                                                                                                          |                     | 2023-07-24     |
|    |                             | 47             | thermal diffusivity                       | Rubber,vulcanized- Determinati of thermal diffusivity-Flash method GB/T 35807-2018                                                                                                                                                                             |                     | 2023-07-24     |
|    |                             | 48             | Temperature-retraction procedure(TR test) | Rubber,vulcanized- Determination of low-temperature characteristics-Temperature-retraction procedure(TRtest) GB/T 7758-2020                                                                                                                                    |                     | 2023-07-24     |
| 23 | Plastics and Fabric Product | 49             | glass transition temperature              | Rubber,raw—Deternation of the glass transition temperature—Differential scanning calorimetry(DSC) GB/T 29611-2013                                                                                                                                              |                     | 2023-07-24     |
|    |                             | 1              | Water content                             | Test methods of fiber grade polyester chip GB/T 14190-2017 5.7                                                                                                                                                                                                 | Accredited only for | 2023-07-24     |



No. CNAS L0269

第 37 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                          | Standard or Method                                                                                                                                                 | Note                         | Effective Date |
|---|-------------|----------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------|
|   |             | №              | Item/ Parameter          |                                                                                                                                                                    |                              |                |
|   |             |                |                          |                                                                                                                                                                    | method A                     |                |
|   |             | 2              | Volatile content         | Plastics-Homopolymer and copolymer resins of vinyl chloride-Determination of volatile matter (including water) GB/T 2914-2008                                      |                              | 2023-07-24     |
|   |             | 3              | Ash content              | Plastics - Determination of ash - General methods GB/T 9345.1-2008                                                                                                 |                              | 2023-07-24     |
|   |             |                |                          | Plastics- Determination of ash-Part 1:General methods ISO 3451-1: 2019                                                                                             |                              | 2023-07-24     |
|   |             | 4              | Characteristic viscosity | Analysis methods for fiber grade polyester chip GB/T 14190-2017 5.1                                                                                                | Accredited only for method A | 2023-07-24     |
|   |             |                |                          | Determination methods for polyester chip – Test for viscosity ASTM D 4603-2018                                                                                     |                              | 2023-07-24     |
|   |             | 5              | Density                  | Plastics - Methods for determining the density of non-cellular plastics - Part 1: Immersion method, liquid pycnometer method and titration method GB/T 1033.1-2008 | Accredited only for method A | 2023-07-24     |
|   |             |                |                          | Test method for apparent density of plastic materials ISO 60-1977                                                                                                  |                              | 2023-07-24     |
|   |             |                |                          | Test method for density of plastics ISO 1183-3-1999                                                                                                                |                              | 2023-07-24     |
|   |             |                |                          | Standard Test Method for Density and Specific Gravity(Relative density) of plastics by Displacement ASTM D 792-2020                                                |                              | 2023-07-24     |
|   |             |                |                          | Test method for bulk factor of moulding materials GB/T 8324-2008                                                                                                   |                              | 2023-07-24     |
|   |             |                |                          | Test methods for density and relative density of fiber reinforced plastics GB/T 1463-2005                                                                          |                              | 2023-07-24     |
|   |             |                |                          | Test method for reinforcement products Part3:Determination of mass per unit area GB/T 9914.3-2013                                                                  |                              | 2023-07-24     |



No. CNAS L0269

第 38 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                     | Standard or Method                                                                                                                                                  | Note                   | Effective Date |
|---|-------------|----------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------|
|   |             | №              | Item/ Parameter                     |                                                                                                                                                                     |                        |                |
|   |             |                |                                     | (idt ISO3374:2000)                                                                                                                                                  |                        |                |
|   |             |                |                                     | Textiles-Woven fabrics-Determination of mass per unit length and mass per unit area GB/T 4669-2008                                                                  |                        | 2023-07-24     |
|   |             |                |                                     | Reinforcements-Test method for yarns Part1:Determination of linear density GB/T 7690.1-2013                                                                         |                        | 2023-07-24     |
|   |             |                |                                     | Aerospace series-Textile glass fibre preinpregnates-Test method for the determination of mass per unit area EN 2329-1993                                            |                        | 2023-07-24     |
|   |             |                |                                     | Plastics -- Methods for determining the density of non-cellular plastics -- Part 1: Immersion method, liquid pyknometer method and titration method ISO 1183-1:2019 | only Immersion method, | 2023-07-24     |
|   |             | 6              | chlorinated concent                 | Test method for chlorine content of chlorinated polyethylene HG/T 2704-2010                                                                                         |                        | 2023-07-24     |
|   |             |                |                                     | Plastics—Vinyl chloride homopolymers and copolymers—Determination of chlorine content GB/T 7139-2002                                                                |                        | 2023-07-24     |
|   |             | 7              | Glass-transition temperatrue        | Plastics-Differential scanning calorimetry(DSC) - Part 2: Determination of glass transition temperature GB/T 19466.2-2004                                           |                        | 2023-07-24     |
|   |             |                |                                     | Standard Test Method for Assignment of the Glass Transition Temperatures by Differential Scanning Calorimetry ASTM E1356-2008 (2014)                                |                        | 2023-07-24     |
|   |             |                |                                     | Plastics-Differential scanning calorimetry(DSC) - Part 2: Determination of glass transition temperature ISO 11357-2: 2020                                           |                        | 2023-07-24     |
|   |             | 8              | Compositional analysis              | Plastics-Thermogravimetry (TG)of Polymers-part 1:General Principles ISO 11358-1: 2022                                                                               |                        | 2023-07-24     |
|   |             |                |                                     | Plastics-Thermogravimetry (TG) of - Part 1 : General principles GB/T 33047.1-2016                                                                                   |                        | 2023-07-24     |
|   |             | 9              | Temperatrue and enthalpy of melting | Plastics-Differential scanning calorimetry(DSC)-Part 3:Determination of temperature and enthalpy of melting and                                                     |                        | 2023-07-24     |



No. CNAS L0269

第 39 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                                   | Standard or Method                                                                                                                               | Note | Effective Date |
|---|-------------|----------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                                   |                                                                                                                                                  |      |                |
|   |             |                | and crystallization                               | crystallization GB/T 19466.3-2004                                                                                                                |      |                |
|   |             |                |                                                   | Plastics-Differential Scanning Calorimetry(DSC)-Part 3:Determination of temperature and enthalpy of melting and crystallization ISO 11357-3:2018 |      | 2023-07-24     |
|   |             |                |                                                   | Poly (ethylene terephthalate) (PET) resin for bottles GB/T 17931-2018 /6.7                                                                       |      | 2023-07-24     |
|   |             |                |                                                   | Polytetrafluoroethylene molding powder HG/T 2902-1997 /5.8                                                                                       |      | 2023-07-24     |
|   |             |                |                                                   | Thermal analysis test methods for thermal stability of materials GB/T 13464-2008                                                                 |      | 2023-07-24     |
|   |             |                |                                                   | Determination of melting temperature for chemical (pharmaceuticals)-Differential scanning calorimetry(DSC GB/T 28724-2012                        |      | 2023-07-24     |
|   |             | 10             | Viscosity number of PVC resins in dilute solution | Determination of the viscosity of Poly(vinyl chloride)resins in dilute solution using capillary viscometers GB/T 3401-2007                       |      | 2023-07-24     |
|   |             |                |                                                   | Test method for dilute solution viscosity number of vinyl chloride polymers ASTM D1243-22                                                        |      | 2023-07-24     |
|   |             | 11             | Impurities particles number                       | Determination of impurities particles number in polyvinyl chloride paste resins GB/T 21992-2008                                                  |      | 2023-07-24     |
|   |             | 12             | Residual vinyl chloride monomer contents          | Poly(vinyl chloride) - Determination of residual vinyl chloride monomer content - Gas chromatographic method GB/T4615-2013                       |      | 2023-07-24     |
|   |             | 13             | Residual styrene monomer content                  | Determination of residual styrene monomer in polystyrene and acrylonitrile-butadiene-styrene resins by gas chromatography GB/T 16867-1997        |      | 2023-07-24     |
|   |             | 14             | Residual acrylonitrile monomer content            | Plastics - Styrene/acrylonitrile copolymers - Determination of residual acrylonitrile monomer content - Gas chromatography method GB/T 8661-2008 |      | 2023-07-24     |



No. CNAS L0269

第 40 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                                                   | Standard or Method                                                                                                                                                 | Note          | Effective Date |
|---|-------------|----------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------|
|   |             | №              | Item/ Parameter                                                   |                                                                                                                                                                    |               |                |
|   |             | 15             | Diethylene glycol                                                 | Analysis methods for fiber grade polyester chip GB/T 14190-2017 /5.2                                                                                               |               | 2023-07-24     |
|   |             | 16             | VA content                                                        | Determination of VA content in EVA ISO 8985:2022                                                                                                                   |               | 2023-07-24     |
|   |             | 17             | Identification of polymers                                        | Identification of polymers by pyrolytic gas chromatography GB/T 7131-1986                                                                                          |               | 2023-07-24     |
|   |             | 18             | Soluble heavy metals                                              | Indoor decorating and refurbishing materials limit of harmful substances of polyvinyl chloride floor covering GB 18586-2001 5.4                                    |               | 2023-07-24     |
|   |             | 19             | hazardous substances                                              | Testing method for hazardous substances in electronic information produces SJ/T 11365-2006                                                                         | Except for Hg | 2023-07-24     |
|   |             | 20             | Acid value and acidity                                            | Plasticizers -Determination of acid value and acidity GB/T 1668-2008                                                                                               |               | 2023-07-24     |
|   |             | 21             | The molecular weight and molecular weight distribution            | Chemicals-Determination of the low molecular weight content of a polymer using Gel permeation chromatography (GPC) GB/T 27843-2011                                 |               | 2023-07-24     |
|   |             |                |                                                                   | Standard test method for molecular weight averages and molecular weight distribution of polystyrene-High performance size-exclusion chromatography GB/T 21864-2008 |               | 2023-07-24     |
|   |             |                |                                                                   | Gel permeation chromatography (GPC)-Tetrahydrofuran as elution solvent GB/T 21863-2008                                                                             |               | 2023-07-24     |
|   |             | 22             | Tensile properties of plastics (strength, elongation and modulus) | Plastics- Determination of tensile properties-Part 1:General principles GB /T1040.1-2018                                                                           |               | 2023-07-24     |
|   |             |                |                                                                   | Plastics- Determination of tensile properties-Part 2:Test conditons for moulding and extrusion GB/T 1040.2-2022                                                    |               | 2023-07-24     |
|   |             |                |                                                                   | Plastics- Determination of tensile properties-Part 3:Test conditions for films and sheets GB /T1040.3-2006                                                         |               | 2023-07-24     |
|   |             |                |                                                                   | Plastics- Determination of tensile properties ASTM D638-2014                                                                                                       |               | 2023-07-24     |



No. CNAS L0269

第 41 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                                                                   | Standard or Method                                                                                                                                                                                               | Note | Effective Date |
|---|-------------|----------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                                                                   |                                                                                                                                                                                                                  |      |                |
|   |             |                |                                                                                   | Plastics- Determination of tensile properties ISO 527-2:2012                                                                                                                                                     |      | 2023-07-24     |
|   |             |                |                                                                                   | Test methods for properties of resin casting boby GB/T 2567-2021 5.1                                                                                                                                             |      | 2023-07-24     |
|   |             |                |                                                                                   | Polymeric materials,cellular flexible-Determination of tensile strength and elongation at break GB/T 6344-2008                                                                                                   |      | 2023-07-24     |
|   |             |                |                                                                                   | Thermoplastic pipes-Determination of tensile properties-part 2:Pipes made of unplasticized poly (vinyl chloride)(PVC-U), chlorinated poly (PVC-C) and highimpact poly (vinyl chloride) (PVC-HI) GB/T 8804.2-2003 |      | 2023-07-24     |
|   |             |                |                                                                                   | Thermoplastic pipes-Determination of tensile properties-part 3:Polyolefin pipes GB/T 8804.3-2003                                                                                                                 |      | 2023-07-24     |
|   |             |                |                                                                                   | Plastics- Determination of tensile properties - Part 1 General principles ISO 527-1:2019                                                                                                                         |      | 2023-07-24     |
|   |             |                |                                                                                   | Plastics- Determination of tensile properties-Part 3:Test conditions for films and sheets ISO 527-3: 2018 (E)                                                                                                    |      | 2023-07-24     |
|   |             |                |                                                                                   | Thermoplastic pipes--Determination of tensile properties--Part1: General test method GB/T 8804.1-2003                                                                                                            |      | 2023-07-24     |
|   |             |                |                                                                                   | Testing method for tensile of man-made filament yarns GB/T 14344-2022                                                                                                                                            |      | 2023-07-24     |
|   |             | 23             | Tensile properties of fiber-reinforced plastics (strength,elongation and modulus) | Test method for tensile properties of fiber-reinforced plastics GB/T 1447-2005                                                                                                                                   |      | 2023-07-24     |
|   |             |                |                                                                                   | Test method for mechanical properties of ring of filament-winding reinforced plastics GB/T 1458-2008                                                                                                             |      | 2023-07-24     |
|   |             |                |                                                                                   | Test method for tensile properties of oriented fiber reinforced polymer matrix composite materials GB/T 3354-2014                                                                                                |      | 2023-07-24     |
|   |             |                |                                                                                   | Test method for tensile properties of carbon fiber strands GB/T 3362-2017                                                                                                                                        |      | 2023-07-24     |
|   |             |                |                                                                                   | Test method for interlaminar tensile strength of glass fiber reinforced plastics laminates GB/T 4944-2005                                                                                                        |      | 2023-07-24     |



No. CNAS L0269

第 42 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                              | Standard or Method                                                                                                                                          | Note                         | Effective Date |
|---|-------------|----------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------|
|   |             | №              | Item/ Parameter              |                                                                                                                                                             |                              |                |
|   |             |                |                              | Test conditions for isotropic and orthotropic fiber-reinforced plastics composites ISO 527-4:2021                                                           |                              | 2023-07-24     |
|   |             |                |                              | Reinforcement fibres for plastics:Tensile test of impregnated yarn test specimens DIN 65382-1988                                                            | Accredited only for sample A | 2023-07-24     |
|   |             |                |                              | Textile glass-Yarns-Determination of breaking force and breaking elongation ISO 3341-2000                                                                   |                              | 2023-07-24     |
|   |             |                |                              | Plastics-Determination of tensile properties-Part 4:Test conditions for isotropic and orthotropic fibre-reinforced plastic composites GB/T 1040.4-2006      |                              | 2023-07-24     |
|   |             |                |                              | Plastics-Determination of tensile properties-Part 5:Test conditions for unidirectional fibre-reinforced plastic composites GB/T 1040.5-2008                 |                              | 2023-07-24     |
|   |             |                |                              | Plastics-Determination of tensile properties-Part 5:Test conditions for unidirectional fibre-reinforced plastic composites SO 527-5: 2021                   |                              | 2023-07-24     |
|   |             | 24             | Plastics Flexural properties | Plastics - Determination of flexural properties GB /T 9341-2008                                                                                             |                              | 2023-07-24     |
|   |             |                |                              | Standard Test Methods for flexural properties of Plastics ASTM D 790-2017                                                                                   |                              | 2023-07-24     |
|   |             |                |                              | Plastics - Determination of flexural properties ISO 178: 2019                                                                                               |                              | 2023-07-24     |
|   |             |                |                              | Rigid cellular plastics-Determination of flexural properties-Part 1:Basic bending test GB/T 8812.1-2007                                                     |                              | 2023-07-24     |
|   |             |                |                              | Rigid cellular plastics-Determination of flexural properties-Part 2: Determination of flexural strength and flexural modulus of elasticity GB/T 8812.2-2007 |                              | 2023-07-24     |
|   |             |                |                              | Test methods for properties of resin casting boby GB/T 2567-2008 5.3                                                                                        |                              | 2023-07-24     |



No. CNAS L0269

第 43 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                                     | Standard or Method                                                                                                      | Note | Effective Date |
|---|-------------|----------------|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                                     |                                                                                                                         |      |                |
|   |             | 25             | Flexural properties of fiber-reinforced plastics    | Technical methods for making local emission standards of air pollutants HG/T 3840-2006                                  |      | 2023-07-24     |
|   |             |                |                                                     | Test method for flexural properties of fiber-reinforced plastics GB/T 1449-2005                                         |      | 2023-07-24     |
|   |             |                |                                                     | Test method for flexural properties of orientational fiber reinforced polymer matrix composite materials GB/T 3356-2014 |      | 2023-07-24     |
|   |             |                |                                                     | Fiber-reinforced plastic composites-Determination of flexural properties ISO 14125-1998                                 |      | 2023-07-24     |
|   |             |                |                                                     | Textile glass-Determination of stiffness of rovings ISO 3375:2009                                                       |      | 2023-07-24     |
|   |             | 26             | Plastics Compressive properties                     | Plastics-Determination of compressive properties GB/T 1041-2008                                                         |      | 2023-07-24     |
|   |             |                |                                                     | Test methods for properties of resin casting body GB/T 2567-2008 5.2                                                    |      | 2023-07-24     |
|   |             |                |                                                     | Test method for compressive of rigid cellular plastics GB/T 8813-2020                                                   |      | 2023-07-24     |
|   |             |                |                                                     | Polymeric materials, cellular flexible -Determination of compression set GB/T 6669-2008                                 |      | 2023-07-24     |
|   |             |                |                                                     | Test method for mechanical performance of engineering plastics :dynamic compression GJB5982-2007                        |      | 2023-07-24     |
|   |             |                |                                                     | Standard Test Method for Compressive Properties of Rigid Plastics ASTM D695-2015                                        |      | 2023-07-24     |
|   |             | 27             | Compressive properties of fiber-reinforced plastics | Test method for compressive properties of fiber-reinforced plastics GB/T 1448-2005                                      |      | 2023-07-24     |
|   |             |                |                                                     | Test method for compression properties of unidirectional fiber reinforced plastics GB/T 3856-2005                       |      | 2023-07-24     |
|   |             |                |                                                     | FRP laminates-test method for bearing strength by bolted joints GB/T 7559-2005                                          |      | 2023-07-24     |
|   |             |                |                                                     | composites-Determination of compressive properties in the in-plane direction ISO 14126-1999(E)                          |      | 2023-07-24     |



No. CNAS L0269

第 44 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                             | Standard or Method                                                                                                                                                                                          | Note | Effective Date |
|---|-------------|----------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                             |                                                                                                                                                                                                             |      |                |
|   |             | 28             | shear strength of plastics                  | Testing methods for shear strength of plastics by punch tool HG/T 3839-2006                                                                                                                                 |      | 2023-07-24     |
|   |             | 29             | Shear strength of fiber-reinforced plastics | Test method for interlaminar shear strength of fiber-reinforced plastics GB/T 1450.1-2005                                                                                                                   |      | 2023-07-24     |
|   |             |                |                                             | Test method for the punch-type of strength of fiber-reinforced plastics GB/T 1450.2-2005                                                                                                                    |      | 2023-07-24     |
|   |             |                |                                             | Test method for mechanical properties of ring of filament-winding reinforced plastics GB/T 1458-2008                                                                                                        |      | 2023-07-24     |
|   |             |                |                                             | Test method for interply shear strength of unidirectional fiber reinforced plastics JC/T 773-2010 ISO14130:1997                                                                                             |      | 2023-07-24     |
|   |             |                |                                             | Test method for in plane shear response of polymermatrix composite materials GB/T 3355-2014                                                                                                                 |      | 2023-07-24     |
|   |             |                |                                             | Fiber-reinforced plastic composites-Determination of the in-plane shear stress/shear strain response, including the in-plane shear modulus and strength, by the $\pm 45$ tension test method ISO 14129-1997 |      | 2023-07-24     |
|   |             |                |                                             | Testing of sandwiches: Shear test DIN 53294-1982                                                                                                                                                            |      | 2023-07-24     |
|   |             | 30             | Tear strength                               | Cellular plastics -Tear resistance test for flexible materials GB/T 10808-2006                                                                                                                              |      | 2023-07-24     |
|   |             |                |                                             | Plastics- tear strength QB/T1130-1991                                                                                                                                                                       |      | 2023-07-24     |
|   |             |                |                                             | Textiles-Tear properties of fabrics-Part3:Determination of tear force of trapezoidal shaped test specimens GB/T3917.3-2009                                                                                  |      | 2023-07-24     |
|   |             |                |                                             | Textiles-Tear properties of fabrics-Part2:Determination of tear force of trouser-shaped test specimens (Single tear method) GB/T3917.2-2009                                                                 |      | 2023-07-24     |
|   |             | 31             | Impact                                      | Plastics-Determination of charpy impact strength of rigid materials GB/T 1043.1-2008                                                                                                                        |      | 2023-07-24     |



No. CNAS L0269

第 45 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                   | Standard or Method                                                                                               | Note | Effective Date |
|---|-------------|----------------|-------------------|------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter   |                                                                                                                  |      |                |
|   |             |                |                   | Plastics--Determination of Izod impact strength GB /T1843-2008                                                   |      | 2023-07-24     |
|   |             |                |                   | Plastics—Determination of impact properties by use of small specimens HG/T3841-2006                              |      | 2023-07-24     |
|   |             |                |                   | Standard Test Methods for Determining the Izod pendulum impact Resistance of Plastics ASTM D 256-2018            |      | 2023-07-24     |
|   |             |                |                   | Plastics-Determination of charpy impact strength of rigid materials ISO 179-1-2010                               |      | 2023-07-24     |
|   |             |                |                   | Plastics -- Determination of izod impact strength ISO 180 - 2019                                                 |      | 2023-07-24     |
|   |             |                |                   | Test methods for properties of resin casting boby GB/T 2567-2008 5.4                                             |      | 2023-07-24     |
|   |             |                |                   | Test method for the Charpy impact resistance of fiber-reinforced plastics GB/T 1451-2005                         |      | 2023-07-24     |
|   |             | 32             | Plastics Hardness | Standard Test Methods for Rockwell hardness of Plastics and Electrical Insulating materials ASTM D 785-2015      |      | 2023-07-24     |
|   |             |                |                   | Plastics ---- Determination of hardness -Part 1:Ball indentation method GB/T 3398.1-2008                         |      | 2023-07-24     |
|   |             |                |                   | Plastics ---- Determination of hardness -Part 2:Rockwell hardness GB/T 3398.2-2008                               |      | 2023-07-24     |
|   |             |                |                   | Test method for hardness of fiber reinforced plastics by mean of a Barcol impressor GB/T 3854-2017               |      | 2023-07-24     |
|   |             |                |                   | Plastics and ebonite-Determination of indentation hardness by means of a durometer(shore hardness) GB/T2411-2008 |      | 2023-07-24     |
|   |             |                |                   | Textile glass-Determination of stiffness of rovings ISO 3375-2009                                                |      | 2023-07-24     |
|   |             |                |                   | Plastics and ebonite-Determination of indentation hardness by means of a durometer(shore hardness) ISO 868: 2003 |      | 2023-07-24     |
|   |             |                |                   | Indentation Hardness of Rigid Plastics by Means of a Barcol Impressor ASTM D2583-2013a                           |      | 2023-07-24     |



No. CNAS L0269

第 46 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                         | Standard or Method                                                                                                                            | Note | Effective Date |
|---|-------------|----------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                         |                                                                                                                                               |      |                |
|   |             |                |                                         | Standard Test Method for Indentation Hardness of Rigid Plastics by Means of a Barcol Impressor ASTM D2583-13a                                 |      | 2023-07-24     |
|   |             | 33             | Water absorption                        | Plastics—Determination of water absorption GB/T1034-2008                                                                                      |      | 2023-07-24     |
|   |             |                |                                         | Test method for water absorption of fiber reinforced plastics GB/T 1462-2005                                                                  |      | 2023-07-24     |
|   |             |                |                                         | Standard Test Method for water absorption of plastics ASTM D570-22                                                                            |      | 2023-07-24     |
|   |             |                |                                         | Test method for reinforcement products Part1:Determination of moisture content GB/T9914.1-2013 (idt ISO3344:1997)                             |      | 2023-07-24     |
|   |             | 34             | Melt flow rate                          | Standard Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer ASTM D 1238-2020                                          |      | 2023-07-24     |
|   |             |                |                                         | Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics-Part 1: standard method GB/T 3682.1-2018 |      | 2023-07-24     |
|   |             |                |                                         | Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics SO 1133-1: 2022                          |      | 2023-07-24     |
|   |             | 35             | Vicat softening point of thermoplastics | Standard Test Method for Vicat Softening Temperature of Plastics ASTM D1525-2017e1                                                            |      | 2023-07-24     |
|   |             |                |                                         | Plastics--Thermoplastic Materials--Determination of vicat softening temperature (VST) GB/T 1633-2000                                          |      | 2023-07-24     |
|   |             |                |                                         | Thermoplastics pipes and fitting-Determination of vicat softening temperature GB/T 8802-2001                                                  |      | 2023-07-24     |
|   |             |                |                                         | Plastics -- Thermoplastic materials -- Determination of Vicat softening temperature (VST) ISO306: 2022                                        |      | 2023-07-24     |
|   |             | 36             | Thermostability of plastics             | Test method for thermo- stability of plastics(Martin) GB/T 1035-1970                                                                          |      | 2023-07-24     |



No. CNAS L0269

第 47 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                           | Standard or Method                                                                                                                                                           | Note | Effective Date |
|---|-------------|----------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                           |                                                                                                                                                                              |      |                |
|   |             | 37             | Thermostability                           | Test method for thermal stability of polyethylene pipes and fittings GB/T 17391-1998                                                                                         |      | 2023-07-24     |
|   |             | 38             | Heat deflection temperature               | Plastics—Determination of temperature of deflection underload-Part 1:General test method GB/T 1634.1-2019                                                                    |      | 2023-07-24     |
|   |             |                |                                           | Plastics—Determination of temperature of deflection underload-Part2:Plastics,ebonite andlong-fibre-reinforced composites GB/T 1634.2-2019                                    |      | 2023-07-24     |
|   |             |                |                                           | Plastics—Determination of temperature of deflection underload-Part3: High-strength thermosetting laminates GB/T 1634.3-2004                                                  |      | 2023-07-24     |
|   |             |                |                                           | Standard Test Method for Deflection temperature of plastics under flexural load in the edgewise position ASTM D648-18                                                        |      | 2023-07-24     |
|   |             |                |                                           | Plastics-Determination of temperature of deflection under load-Part1:General test method ISO75-1:2020                                                                        |      | 2023-07-24     |
|   |             | 39             | Determination of the effect of liquid     | Plastics--Determination of the effects of liquid chemicals,including water GB/T 11547-2008                                                                                   |      | 2023-07-24     |
|   |             |                |                                           | Test method for chemical resistance of glass fiber reinforced thermosetting plastics GB/T 3857-2017                                                                          |      | 2023-07-24     |
|   |             |                |                                           | Plastics-Methods of test for the determination of the effects of immersion in liquid chemicals ISO175:2010(E)                                                                |      | 2023-07-24     |
|   |             | 40             | Void content of fibre reinforced plastics | Textile-glass-raiforced Plastics-Prepregs, moulding compounds and laminates-Determination of the textile-glass and mineral-filler Contents-Calcination Methods ISO 1172-1996 |      | 2023-07-24     |
|   |             |                |                                           | Determination of the resin and fibre content and mass of fibre EN2331-1993 (2004)                                                                                            |      | 2023-07-24     |
|   |             |                |                                           | Test method for void content of fibre reinforced plastics JC/T 287-2010                                                                                                      |      | 2023-07-24     |
|   |             | 41             | Burning behaviour                         | Plastics - Determination of burning characteristics - Horizontal and vertical test GB/T 2408-2021                                                                            |      | 2023-07-24     |



No. CNAS L0269

第 48 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                 | Standard or Method                                                                                                                                | Note | Effective Date |
|---|-------------|----------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter |                                                                                                                                                   |      |                |
|   |             |                |                 | Plastics -Smoke generation-Part 1:Guidance on optical-density testing GB/T 8323.1-2008                                                            |      | 2023-07-24     |
|   |             |                |                 | Part 2:Determination of optical-density by a single-chamber test GB/T 8323.2-2008                                                                 |      | 2023-07-24     |
|   |             |                |                 | Plastics - Determination of burning behaviour by oxygen index - Part 1: Guidance GB/T 2406.1-2008                                                 |      | 2023-07-24     |
|   |             |                |                 | Plastics - Determination of burning behaviour by oxygen index - Part 2: Ambient-temperature test GB/T 2406.2-2009                                 |      | 2023-07-24     |
|   |             |                |                 | Test method for flammability characteristics of fiber reinforced plastics using oxygen index method GB/T 8924-2005                                |      | 2023-07-24     |
|   |             |                |                 | Standard Test Method for Measureing the Minimom Oxygen Concentration to Support Candle-Like Combustion of Plastics (Oxygen Index) ASTM D2863-2013 |      | 2023-07-24     |
|   |             |                |                 | Test methods for ablation of ablators GJB 323B-2018                                                                                               |      | 2023-07-24     |
|   |             |                |                 | Test method for reinforcement products-part 2:Determiantion of combustile-matter content for galss fibre GB/T 9914.2-2013 (eqv ISO 1887-1995)     |      | 2023-07-24     |
|   |             |                |                 | Textiles-Burning behaviour-Oxygen index method GB/T 5454-1997                                                                                     |      | 2023-07-24     |
|   |             |                |                 | Safety performance test method for plastic pipe used for coal mine. MT 181-88 3                                                                   |      | 2023-07-24     |
|   |             |                |                 | Reaction-to-fire tests -Heat release,smoke production and mass loss rate-Part 1:Heat release (Cone calorimeter method) ISO 5660-1:2015            |      | 2023-07-24     |
|   |             |                |                 | Toxic classification of fire effluents hazard for materials GB/T 20285-2006                                                                       |      | 2023-07-24     |
|   |             |                |                 | Flammability of antomotive interior materials GB 8410-2006                                                                                        |      | 2023-07-24     |



No. CNAS L0269

第 49 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                 | Standard or Method                                                                                                                                           | Note | Effective Date |
|---|-------------|----------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                 |                                                                                                                                                              |      |                |
|   |             |                |                                 | Tests for Flammability of Plastic Materials for Parts in Devices and Appliances UL 94-2021                                                                   |      | 2023-07-24     |
|   |             |                |                                 | Test method for density of smoke from the burning or decomposition of building materials and products-Determination of the heat of combustion GB/T 8627-2007 |      | 2023-07-24     |
|   |             |                |                                 | Reaction to fire tests for building materials and products-Determination of the heat of combustion GB/T 14402-2007                                           |      | 2023-07-24     |
|   |             |                |                                 | The method for heat release rate of building materials GB/T 16172-2007                                                                                       |      | 2023-07-24     |
|   |             |                |                                 | Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter ASTM E 1354-22b             |      | 2023-07-24     |
|   |             |                |                                 | Textile glass-Determination of combustible-matter content ISO1887-2014                                                                                       |      | 2023-07-24     |
|   |             | 42             | Coefficient of linear expansion | Determination for coefficient of linear expansion of plastics GB/T 1036-2008                                                                                 |      | 2023-07-24     |
|   |             |                |                                 | Test method for linear expansion of fiber reinforced plastics GB/T 2572-2005                                                                                 |      | 2023-07-24     |
|   |             |                |                                 | Standard test method for coefficient of linear thermal expansion of plastics between -30°C and 30°C with a vitreous silica dilatometer ASTM D696-2016        |      | 2023-07-24     |
|   |             |                |                                 | test method for coefficient of linear thermal expansion of solid materials GJB 332A-2004                                                                     |      | 2023-07-24     |
|   |             | 43             | dimensional stability           | Standard Test Method for Coefficient of Linear Thermal Expansion Test method for dimensional stability of plastic films GB/T 12027-2004                      |      | 2023-07-24     |
|   |             |                |                                 | Cellular plastics and rubbers--Determination of linear dimensions GB/T 6342-1996                                                                             |      | 2023-07-24     |



No. CNAS L0269

第 50 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                               | Standard or Method                                                                                                                              | Note | Effective Date |
|---|-------------|----------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter               |                                                                                                                                                 |      |                |
|   |             |                |                               | Test method for dimensional stability of rigid cellular plastics GB/T 8811-2008                                                                 |      | 2023-07-24     |
|   |             |                |                               | Reinforcements—Test method for wover fabrics Part1:Determination of thickness GB/T 7689.1-2013 (idt ISO 4603-1993)                              |      | 2023-07-24     |
|   |             |                |                               | Textiles-Determination of thickness of textiles and textile products ISO 5084-1996                                                              |      | 2023-07-24     |
|   |             | 44             | Longitudinal reversion        | Thermoplastics pipes- -Determination of longitudinal reversion GB/T 6671-2001                                                                   |      | 2023-07-24     |
|   |             | 45             | Dynamic modulus of elasticity | Standard Practice for Determining and Report-ing Dynamic Mechanical Properties of Plastics ASTM D 4065-2020                                     |      | 2023-07-24     |
|   |             |                |                               | Test Method for Plastics and Composite Materials:Dynamic Mechanical Properties of Forced non-resonant type HB 7655-1999                         |      | 2023-07-24     |
|   |             |                |                               | Standard Test Method for Glass Transition Temperature(DMA Tg) of Polymer Matrix Composites by Dynamic Mechanical Analysis(DMA) ASTM D 7028-2015 |      | 2023-07-24     |
|   |             |                |                               | Plastics-Determination of dynamic mechanical properties- Part 5 Flexural vibration -Nor-resonance method AMENDMENT1 ISO 6721-4:2019             |      | 2023-07-24     |
|   |             |                |                               | Plastics-Determination of dynamic mechanical properties- Part 5 Flexural vibration -Nor-resonance method AMENDMENT1 ISO 6721-5:Amd 1:2007       |      | 2023-07-24     |
|   |             |                |                               | Plastics-Determination of dynamic mechanical properties Part 6 Shear vibration -Nor-resonance method AMENDMENT1 ISO 6721-6:2019                 |      | 2023-07-24     |
|   |             |                |                               | Plastics-Determination of dynamic mechanical properties ISO6721-1:2019                                                                          |      | 2023-07-24     |
|   |             |                |                               | Plastics Determination of dynamic mechanical properties. Part 10: Complex shear viscosity using a parallel-plate oscillatory                    |      | 2023-07-24     |



No. CNAS L0269

第 51 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                             | Standard or Method                                                                                                                    | Note                         | Effective Date |
|---|-------------|----------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------|
|   |             | №              | Item/ Parameter             |                                                                                                                                       |                              |                |
|   |             |                |                             | rheometer GB/T 33061.10-2016                                                                                                          |                              |                |
|   |             |                |                             | Standard test method for plastics:Dynamic mechanical properties melt rheology ASTM D 4440-2015                                        |                              | 2023-07-24     |
|   |             | 46             | Light aging performance     | Accelerated weathering test method for plastics, coatings and rubber materials used for machinery industrial products GB/T 14522-2008 |                              | 2023-07-24     |
|   |             |                |                             | Plastics-Methods of exposure to laboratory light sources-Part1:General guidance GB/T 16422.1-2022                                     |                              | 2023-07-24     |
|   |             |                |                             | Plastics-Methods of exposure to laboratory light sources-Part2: Xenon-arc sources GB/T 16422.2-2022                                   |                              | 2023-07-24     |
|   |             |                |                             | Plastics-Methods of exposure to thermal air GB/T 7141-2008                                                                            | Accredited only for method B | 2023-07-24     |
|   |             |                |                             | Plastics-Methods of exposure to laboratory light sources-Part 3: Fluorescent UV lamp GB/T 16422.3-2022                                |                              | 2023-07-24     |
|   |             | 47             | Damp heat aging performance | Plastics-Test methods of exposure to damp heat, steady state GB/T 12000-2017                                                          |                              | 2023-07-24     |
|   |             |                |                             | test method for aging properties of glass fiber reinforced plastics GB/T 2573—2008                                                    |                              | 2023-07-24     |
|   |             | 48             | Natural weathering          | Plastics -Methods of exposure to solar radiation -Part1:General guidance GB/T 3681.1-2021                                             |                              | 2023-07-24     |
|   |             |                |                             | Plastics -Methods of exposure to solar radiation -Part2:Direct weathring and exposure behind window glass GB/T 3681.2-2021            |                              | 2023-07-24     |
|   |             | 49             | Aging properties            | Polymeric materials cellular flexible-Accelerated aging tests GB/T 9640-2008                                                          |                              | 2023-07-24     |
|   |             |                |                             | determination of time-temperature limits for plastics after prolonged exposure to heat GB/T 7142-2002                                 |                              | 2023-07-24     |
|   |             |                |                             | standard guide for accelerated aging of sterile barrier systems for medical device ASTM F1980-2016                                    |                              | 2023-07-24     |



No. CNAS L0269

第 52 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                          | Standard or Method                                                                                                                                                               | Note | Effective Date |
|---|-------------|----------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter          |                                                                                                                                                                                  |      |                |
|   |             |                |                          | test methods for sterile medical device package part 1:test guide for accelerated aging YY/T 0681.1-2018                                                                         |      | 2023-07-24     |
|   |             | 50             | Brittleness temperature  | Determination of low-temperature brittleness for plastic GB 5470-2008                                                                                                            |      | 2023-07-24     |
|   |             |                |                          | Determination of shrinkage for injection moulding thermoplastics GB/T 15585-1995                                                                                                 |      | 2023-07-24     |
|   |             | 51             | Mold shrinkage           | Standard test method of Mesuring Shrinkage from Mold Dimensions of Thermoplastics ASTM D955-21                                                                                   |      | 2023-07-24     |
|   |             |                |                          | Reinforcements-Woven fabrics-Determination of number of yarns per unit length of warp and weft ISO 4602-2010                                                                     |      | 2023-07-24     |
|   |             | 52             | shrinkage                | Plastics -- Thermosetting moulding materials -- Determination of shrinkage ISO 2577-2007                                                                                         |      | 2023-07-24     |
|   |             | 53             | Yellow index             | Plastics-Yellow index test method HG/T 3862-2006                                                                                                                                 |      | 2023-07-24     |
|   |             | 54             | Penetration              | Test method for water vapor transmission of plastic film and sheet-Desiccant method and water method GB/T 1037—2021                                                              |      | 2023-07-24     |
|   |             | 55             | Thickness                | Determination of Thickness of Plastics films and sheets by Mechanical Scanning GB/T 6672-2001                                                                                    |      | 2023-07-24     |
|   |             | 56             | tear strength            | Plastics-Determination of tear strength (angle) QB/T 1130-1991                                                                                                                   |      | 2023-07-24     |
|   |             | 57             | Oxidative Induction Time | Standard Test Method for Oxidative-Induction Time of Polyolefins by Differential Scanning Calorimetry ASTM D3895-2019                                                            |      | 2023-07-24     |
|   |             |                |                          | Test method for determination mechanical and physical properties of electric cables and wires –Test for oxidative Inductive time GB/T 2951.37-1994                               |      | 2023-07-24     |
|   |             |                |                          | Plastics-Differential scanning calorimetry(DSC)-Part 6 Determination of oxidation induction time(isothermal OIT)and oxidation induction temperture(dynamic OIT) GB/T19466.6-2009 |      | 2023-07-24     |



| № | Test Object | Item/Parameter |                            | Standard or Method                                                                                                                                                                        | Note                                            | Effective Date |
|---|-------------|----------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|----------------|
|   |             | №              | Item/ Parameter            |                                                                                                                                                                                           |                                                 |                |
|   |             |                |                            | Plastics-Differential scanning calorimetry(DSC)-Part 6<br>Determination of oxidation induction time(isothermal OIT)and<br>oxidation induction temperture(dynamic OIT) ISO<br>11357-6:2018 |                                                 | 2023-07-24     |
|   |             | 58             | Carbon Black<br>Content    | Determination for the carbon black content of polyethylene pipes<br>and fittings by calcinations and pyrolysis GB/T 13021-1991                                                            |                                                 | 2023-07-24     |
|   |             |                |                            | Standard Test Method for Determination of Carbon Black<br>Content in Ployethylene Compounds By the Muffle-Furnace<br>Technique ASTM D4218-2020                                            |                                                 | 2023-07-24     |
|   |             | 59             | tension-tension<br>fatigue | Test method for fatigue properties of polymer matrix composite<br>materials-Part3:Tension-tension fatigue GB/T 35465.3-2017                                                               |                                                 | 2023-07-24     |
|   |             |                |                            | Test method for tension-tension fatigue of fiber reinforced plastic<br>ISO 13003: 2003                                                                                                    |                                                 | 2023-07-24     |
|   |             | 60             | thermal conductivity       | Thermal insulation-Determination of steady-state thermal<br>resistance and related properties-Guarded hot plate apparatus<br>GB/T10294-2008                                               |                                                 | 2023-07-24     |
|   |             |                |                            | Steady-State Heat Flux Measurements and Thermal Transmission<br>Properties by Means of the Guarded-Hot-Plate ASTM C177-19                                                                 |                                                 | 2023-07-24     |
|   |             |                |                            | Determination of thermal diffusivity or thermal conductivity by<br>the flash method GB/T 22588-2008                                                                                       |                                                 | 2023-07-24     |
|   |             |                |                            | Plastics-Determination of thermal conductivity and thermal<br>diffusivity-Part 4: laser flash method ISO 22007-4:2017(E)                                                                  |                                                 | 2023-07-24     |
|   |             | 61             | internal pressure          | Test method for preparation and internal pressure testing of<br>filament-wound pressure vessels GB/T6058-2005                                                                             |                                                 | 2023-07-24     |
|   |             |                |                            | Thermoplastic pipes for the conveyance of fluids--Resistance to<br>internal pressure--Test method GB/T6111-2018                                                                           |                                                 | 2023-07-24     |
|   |             | 62             | part of Parameters         | Industrial rigid laminated sheets based on thermosetting resins for<br>electrical purposes--part 2:Test methods GB/T 1303.2-2009                                                          | except for<br>insulation<br>resiseance<br>after | 2023-07-24     |



No. CNAS L0269

第 54 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                                  | Standard or Method                                                                                                                                              | Note                                                                                                                       | Effective Date |
|---|-------------|----------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------|
|   |             | №              | Item/ Parameter                                  |                                                                                                                                                                 |                                                                                                                            |                |
|   |             |                |                                                  |                                                                                                                                                                 | soaking,the proof and the comparative tracking indices,the resistance to tracking and erosion,heat resistance,flammability |                |
|   |             | 63             | temperature of deflection under load             | Plastics-Determination of temperature of deflection under load - Part2:Plastics and ebonite ISO75-2:2013(E)                                                     |                                                                                                                            | 2023-07-24     |
|   |             |                |                                                  | Plastics-Determination of temperature of deflection under load - Part3:High-strength thermosetting laminates and long-fibre-reinforced plastics ISO75-3:2004(E) |                                                                                                                            | 2023-07-24     |
|   |             | 64             | number of yarns per unit length of warp and weft | Reinforcements-Test method for woven fabrics- Part2:Determination of number of yarns per unit length of warp and weft GB/T 7689.2-2013                          |                                                                                                                            | 2023-07-24     |
|   |             | 65             | friction and wear                                | Test method for friction and wear of plastics by sliding GB3960-2016                                                                                            |                                                                                                                            | 2023-07-24     |
|   |             | 66             | specific heat capacity                           | Plastics-Differential scanning calorimetry(DSC)-Part 4 Determination of specific heat capacity GB/T 19466.4-2016                                                |                                                                                                                            | 2023-07-24     |
|   |             |                |                                                  | Plastics-Differential scanning calorimetry(DSC)-Part 4 Determination of specific heat capacity ISO 11357-4:2014                                                 |                                                                                                                            | 2023-07-24     |
|   |             |                |                                                  | Standard Test Method for Determining Specific Heat Capacity by Differential Scanning Calorimetry ASTM E1269-2011                                                |                                                                                                                            | 2023-07-24     |



No. CNAS L0269

第 55 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                                                 | Standard or Method                                                                                                                                                                         | Note | Effective Date |
|---|-------------|----------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter                                 |                                                                                                                                                                                            |      |                |
|   |             |                |                                                 | (2018)                                                                                                                                                                                     |      |                |
|   |             | 67             | thermal analysis                                | Plastics-Differential scanning calorimetry(DSC)-Part5:Determination of characteristic reaction-curve temperatures and times、enthalpy of reaction and degree of conversion ISO 11357-5:2013 |      | 2023-07-24     |
|   |             | 68             | phthalate esters                                | National food safety standards Determination of phthalate esters and simulants in food contact materials and articles GB31604.30-2016                                                      |      | 2023-07-24     |
|   |             |                |                                                 | Determination of certain phthalate esters in toys and children's products GB/T22048-2022                                                                                                   |      | 2023-07-24     |
|   |             |                |                                                 | Determination of phthalates in plastics articles-Gas chromatography-mass spectrometry(GC-MS)method SN/T2249-2009                                                                           |      | 2023-07-24     |
|   |             | 69             | breaking force and elongation at breaking force | Textiles-Tensile properties of fabrics-Part1:Determination of breaking force and elongation at breaking force---Strip method GB/T 3923.1-2013                                              |      | 2023-07-24     |
|   |             |                |                                                 | Textiles--Yarns from packages--Determination of single-end breaking force and elongation at break GB/T 3916-2013                                                                           |      | 2023-07-24     |
|   |             | 70             | thickness                                       | Reinforcements-Test method for woven fabrics Part 1:Determination of thickness for glass fibre GB/T 7689.1-2013                                                                            |      | 2023-07-24     |
|   |             | 71             | gas transmsion                                  | Plastics-Film and sheeting-Determination of gas transmissionPart 1-Differential-pressure method GB/T 1038.1-2022                                                                           |      | 2023-07-24     |
|   |             |                |                                                 | Plastics-Film and sheeting-Determination of gas transmission rate- Part 1:Differential-pressure methods ISO 15105-1:2007                                                                   |      | 2023-07-24     |
|   |             | 72             | thermal diffusivity                             | Standard Test Method for Thermal Diffusivity by the Flash Method ASTM E1461-13                                                                                                             |      | 2023-07-24     |
|   |             |                |                                                 | Test method for Thermal diffusivity of solid materials at high temperature bya laser pulse method GJB1201.1-91                                                                             |      | 2023-07-24     |



No. CNAS L0269

第 56 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object      | Item/Parameter |                                 | Standard or Method                                                                                                                                               | Note                                                                                                    | Effective Date |
|----|------------------|----------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------|
|    |                  | №              | Item/ Parameter                 |                                                                                                                                                                  |                                                                                                         |                |
| 24 | Polymers         | 1              | Glass-transition<br>temperatrue | Standard Test Method for Transition Temperatrue of Polymers by Differential Scanning Calorimetry ASTM D 3418-2021                                                |                                                                                                         | 2023-07-24     |
|    |                  |                |                                 | Explosive test method-Test of compatibility of propellent and explosive- Differential thermal analysis and Differential Scanning Calorimetry method GJB772A-1997 |                                                                                                         | 2023-07-24     |
|    |                  | 2              | Compositional<br>analysis       | Standard Test Method for Compositional Analysis by Thermogravimetry ASTM E1131-2008(2014)                                                                        |                                                                                                         | 2023-07-24     |
|    |                  | 3              | Thermal Analysis                | Test method for composite materials -curing degree of resin matrix by Differential Scanning Calorimetry HB 7614-1998                                             | Accredited only for method A and C                                                                      | 2023-07-24     |
|    |                  |                |                                 | Standard Test Method for Heat of Reaction of Thermally Reactive Materials by Differential Scanning Calorimetry ASTM E 2160-04(2018)                              |                                                                                                         | 2023-07-24     |
|    |                  |                |                                 | Standard Test Method for Purity by Differential Scanning Calorimetry ASTM E 928-08(2019)                                                                         |                                                                                                         | 2023-07-24     |
|    |                  |                |                                 | Test method of loading material for initiating explosive device - Part 17: Compatibility test - Method of DTA and DSC GJB 5891.17-2006                           |                                                                                                         | 2023-07-24     |
|    |                  |                |                                 |                                                                                                                                                                  |                                                                                                         |                |
| 25 | Pressure vessels | 1              | Acoustic Emission testing       | Acoustic emission examination and evaluation of metallic pressure vessels GB/T 18182-2012                                                                        | Not applicable to pressure vessels within the scope of the Special Equipment Safety Law of the People's | 2023-07-24     |



No. CNAS L0269

第 57 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                      | Standard or Method                                                                                                            | Note                                                                                                                      | Effective Date |
|---|-------------|----------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------|
|   |             | №              | Item/ Parameter      |                                                                                                                               |                                                                                                                           |                |
|   |             |                |                      | Standard Practice for Acoustic Emission Examination of Fiberglass Reinforced Plastic Resin(FRP) Tanks/vessels ASTM E1067-2018 | Republic of China                                                                                                         | 2023-07-24     |
|   |             | 2              | Radiographic testing | Nondestructive testing of pressure equipment Part 2:Radiographic testing NB/T 47013.2-2015                                    | Not applicable to pressure vessels within the scope of the Special Equipment Safety Law of the People's Republic of China | 2023-07-24     |
|   |             | 3              | Ultrasonic testing   | Nondestructive testing of pressure equipment Part 3:Ultrasonic testing NB/T 47013.3-2015                                      | Not applicable to pressure vessels within the scope of the Special Equipment Safety Law of the People's Republic of China | 2023-07-24     |



No. CNAS L0269

第 58 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                          | Standard or Method                                                                              | Note                                                                                                                                                                  | Effective Date |
|---|-------------|----------------|--------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|   |             | №              | Item/ Parameter          |                                                                                                 |                                                                                                                                                                       |                |
|   |             | 4              | Liquid penetrant testing | Nondestructive testing of pressure equipment Part 5:Liquid penetrant testing NB/T 47013.5-2015  | Accredited only for Method of pigmentation. Not applicable to pressure vessels within the scope of the Special Equipment Safety Law of the People's Republic of China | 2023-07-24     |
|   |             | 5              |                          | Nondestructive testing of pressure equipment Part 4:Magnetic particle testing NB/T 47013.4-2015 | Not applicable to pressure vessels within the scope of the Special Equipment Safety Law of the People's Republic of China                                             | 2023-07-24     |



No. CNAS L0269

第 59 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object                       | Item/Parameter |                       | Standard or Method                                                                                       | Note                                                                                                                           | Effective Date |
|----|-----------------------------------|----------------|-----------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|----------------|
|    |                                   | №              | Item/ Parameter       |                                                                                                          |                                                                                                                                |                |
| 26 | Special equipments and components | 1              | High temperature test | Environmental test methods for military equipments high temperature test GJB 150.3-1986                  | Accredited only for: Sample less than 400mm×400mm×400mm, temperature is less than 300°C。Applying to special user and products。 | 2023-07-24     |
|    |                                   |                |                       | Laboratory environmental test methods for military material-Part 3:High temperature test GJB 150.3A-2009 | Accredited only for: Sample less than 400mm×400mm×400mm, temperature is less than 300°C                                        | 2023-07-24     |
|    |                                   | 2              | Immersion test        | Environmental test methods for military equipments immersion test GJB 150.14-1986                        | accredited only for: Dimensions for immersion test                                                                             | 2023-07-24     |



No. CNAS L0269

第 60 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                 | Standard or Method                                                                                  | Note                                                                                                      | Effective Date |
|---|-------------|----------------|-----------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------|
|   |             | №              | Item/ Parameter |                                                                                                     |                                                                                                           |                |
|   |             |                |                 |                                                                                                     | vessels:<br>600mm×600mm×1200mm,<br>procedure I .Applying to special user and products。                    |                |
|   |             |                |                 | Laboratory environmental test methods for military material-Part 14:Immersion test GJB 150.14A-2009 | accredited only for:<br>Dimensions for immersion test<br>vessels:<br>600mm×600mm×1200mm,<br>procedure I . | 2023-07-24     |
|   |             | 3              | Damp heat test  | Environmental test methods for military equipments Damp heat test GJB 150.9-1986                    | Accredited only for:<br>Sample less than 400mm×400mm×400mm,<br>Temperatur                                 | 2023-07-24     |



No. CNAS L0269

第 61 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                 | Standard or Method                                                                                | Note                                                                                                 | Effective Date |
|---|-------------|----------------|-----------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------|
|   |             | №              | Item/ Parameter |                                                                                                   |                                                                                                      |                |
|   |             |                |                 |                                                                                                   | e:20℃~80℃, Humidity: 20%RH~98%RH。Applying to special user and products。                              |                |
|   |             |                |                 | Laboratory environmental test methods for military material-Part 9:Damp heat test GJB 150.9A-2009 | Accredited only for: Sample less than 400mm×400mm×400mm, Temperature: 20℃~80℃, Humidity: 20%RH~98%RH | 2023-07-24     |
|   |             | 4              | Salt fog        | Environmental test methods for military equipments Salt fog test GJB 150.11-1986                  | Accredited only for: Sample less than 200mm×20                                                       | 2023-07-24     |



No. CNAS L0269

第 62 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object                       | Item/Parameter |                        | Standard or Method                                                                                        | Note                                                                                                               | Effective Date |
|----|-----------------------------------|----------------|------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------|
|    |                                   | №              | Item/ Parameter        |                                                                                                           |                                                                                                                    |                |
|    |                                   |                |                        | laboratory environmental test methods for military material-Part 11:Salt fog test GJB 150.11A-2009        | 0mm×150 mm。<br>Applying to special user and products。<br>Accredited only for: Sample less than 200mm×200mm×150 mm。 | 2023-07-24     |
|    |                                   |                |                        | Laboratory environmental test methods for military material Part 4: Low temperature test GB/T 150.4A-2009 | Accredited only for: Sample less than ≤400mm×400mm×400 mm, temperature is high than -70°C                          |                |
|    |                                   | 5              | Low temperature test   |                                                                                                           |                                                                                                                    | 2023-07-24     |
| 27 | Special equipments and components | 1              | Temperature shock test | Laboratory environmental test methods for military material-Part 5:Temperature shock test GJB 150.5A-2009 | Accredited only for: Sample less than ≤400mm×400mm×400 mm, -                                                       | 2023-07-24     |



No. CNAS L0269

第 63 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object                             | Item/Parameter |                      | Standard or Method                                                                                                                                                                      | Note                                                              | Effective Date |
|----|-----------------------------------------|----------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----------------|
|    |                                         | №              | Item/ Parameter      |                                                                                                                                                                                         |                                                                   |                |
|    |                                         |                |                      |                                                                                                                                                                                         | 70°C~300 °C.                                                      |                |
|    |                                         | 2              | Solar radiation test | Laboratory environmental test methods for military material-Part 7:Solar radiation test GJB 150.7A-2009                                                                                 | Accredited only for: procedure II, Sample less than ≤400mm×700mm. | 2023-07-24     |
| 28 | Building materials and related products | 1              | Burning behaviour    | Regulations relating to fire protection and firefighting measures in passenger carrying railway vehicles or assimilated vehicles used on international services UIC 564-2-1991/ 附录 4-12 |                                                                   | 2023-07-24     |
|    |                                         |                |                      | Fire-resistance tests for wood and wood composite material—Cone calorimeter method GB/T 34749-2017                                                                                      |                                                                   | 2023-07-24     |
|    |                                         |                |                      | Textiles—Test method for smoke release and heat release properties during combustion process GB/T 33618-2017                                                                            |                                                                   | 2023-07-24     |
|    |                                         |                |                      | Test method for lateral spread of flame on building and transport products in vertical configuration GB/T 28752-2012                                                                    |                                                                   | 2023-07-24     |
|    |                                         |                |                      | Textiles—Burning behaviour—Determination of damaged length, afterglow time and afterglow time of vertically oriented specimens GB/T 5455-2014                                           |                                                                   | 2023-07-24     |
|    |                                         |                |                      | Reaction to fire tests for products—Determination of the gross heat of combustion (calorific value) ISO 1716-2018                                                                       |                                                                   | 2023-07-24     |
|    |                                         |                |                      | Plastic Test method for flammability of rigid cellular plastic—Vertical burning method GB/T 8333-2022                                                                                   |                                                                   | 2023-07-24     |
|    |                                         |                |                      | Classification for burning behavior of building materials and products GB 8624-2012                                                                                                     | Except for Soft furniture and hard furniture                      | 2023-07-24     |



No. CNAS L0269

第 64 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object                     | Item/Parameter |                                      | Standard or Method                                                                                                                                | Note              | Effective Date |
|----|---------------------------------|----------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------|
|    |                                 | №              | Item/ Parameter                      |                                                                                                                                                   |                   |                |
|    |                                 | 2              | critical heat flux at extinguishment | Technical specification of flame ratardant materials for railway locomotive and vehicle TB/T 3138-2018                                            | Except for Drapes | 2023-07-24     |
|    |                                 |                |                                      | Flame ratardant technical specification of decorating materials for multiple unit train TB/T 3237-2010                                            |                   | 2023-07-24     |
|    |                                 |                |                                      | Reaction to fire tests-Spread of flame-Part2: Lateral spread on building and transport products in vertical configuration ISO 5658-2:2006+A1:2011 |                   | 2023-07-24     |
|    |                                 | 3              | Burning behaviour                    | Department of transportation, Federal aviation administration regulations for compartment interiors Appendix F FAR 25.853 Appendix F Part I       |                   | 2023-07-24     |
|    |                                 |                |                                      | Rules for Civil Aviation Administration of China Part 25 Airworthiness standard for transport aircraft CCAR-25-R4 Appendix F Part I               |                   | 2023-07-24     |
|    |                                 | 4              | smoke density                        | Plastic-Smoke generation-Part2:Determination of optical density by a single-chamber test GB/T 8323.2-2008                                         |                   | 2023-07-24     |
| 29 | Ballstic Materials and Products | 1              | Ballistic resistance performance     | General specification for police body armor, GA 141-2010 6.6、6.7、 6.8                                                                             |                   | 2023-07-24     |
|    |                                 |                |                                      | Ballistic resistance of personal body armour, NIJ STANDARD-0101.06—2008                                                                           |                   | 2023-07-24     |
|    |                                 |                |                                      | Requirements of safety technical performance for military body armor, GJB 4300A-2012 6.4                                                          |                   | 2023-07-24     |
|    |                                 |                |                                      | V50 test method for ballistic materials and products GA/T 950-2019                                                                                |                   | 2023-07-24     |
|    |                                 |                |                                      | Ballistic Test Method for Personal Armour Materials and Combat Clothing STANAG 2920—2015                                                          |                   | 2023-07-24     |
|    |                                 |                |                                      | Public Safety Bomb Suit Standard NIJ 0117.00—2012                                                                                                 |                   | 2023-07-24     |
|    |                                 |                |                                      | Body Armour Standard (2017 )<br>39/07/C 6                                                                                                         |                   | 2023-07-24     |



No. CNAS L0269

第 65 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                 | Standard or Method                                                                                       | Note | Effective Date |
|---|-------------|----------------|-----------------|----------------------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter |                                                                                                          |      |                |
|   |             |                |                 | Technology Assessment Program NIJ Standard for Ballistic Helmets, NIJ Standard 0106.01—1981              |      | 2023-07-24     |
|   |             |                |                 | Ballistic helmets and face shields for police, GA 293-2012 6.1.9~6.1.11、6.2.8~6.2.10                     |      | 2023-07-24     |
|   |             |                |                 | Requirements of Safety Technical Performance for Military Ballistic Helmet GJB 5115A-2012 5.2、5.8、5.9    |      | 2023-07-24     |
|   |             |                |                 | Protected specification for cash carrying vehicles, GA 164-2018 6.2.2.2                                  |      | 2023-07-24     |
|   |             |                |                 | General technique term of anti-riot vehicles for police GA 668-2006 9.3                                  |      | 2023-07-24     |
|   |             |                |                 | Police armored passenger cars GA 1165-2014 6.5                                                           |      | 2023-07-24     |
|   |             |                |                 | Armoured anti-riot-vehicle GB/T 25987-2010 5.3.2.3                                                       |      | 2023-07-24     |
|   |             |                |                 | Test operations procedure for armoured vehicles armour plate bullet-proof test, GJB 59.18-1988           |      | 2023-07-24     |
|   |             |                |                 | Protection levels for occupants of logistic and light armoured vehicles STANAG 4569 Edition 3-2014       |      | 2023-07-24     |
|   |             |                |                 | Procedures for evaluating the protection level of armoured vehicles AEP-55 Edition C Version 1 Volume1   |      | 2023-07-24     |
|   |             |                |                 | V50 Ballistic Test for Armor MIL-STD-662F—1997                                                           |      | 2023-07-24     |
|   |             |                |                 | Specification for 28Cr2Mo,26SiMnMo and 22SiMn2TiB Steel Plates GJB 1496B-2014 4.4.7                      |      | 2023-07-24     |
|   |             |                |                 | Specification for 30CrMnMoRE、30CrNi2MnMoRE and 30CrNi3MOV steel plates for armour use GJB 31A-2000 4.3.8 |      | 2023-07-24     |
|   |             |                |                 | Specification for 685 Armor Steel GJB 8223-2014 4.5.8                                                    |      | 2023-07-24     |
|   |             |                |                 | Specification for bullet-proof steel plates for navy ships GJB 3935A-2018 4.3.5                          |      | 2023-07-24     |



No. CNAS L0269

第 66 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                 | Standard or Method                                                                                                                     | Note                                  | Effective Date |
|---|-------------|----------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------|
|   |             | №              | Item/ Parameter |                                                                                                                                        |                                       |                |
|   |             |                |                 | Specification for bullet-proof steel plates for aviation GJB 3019A-2008 4.3.3                                                          |                                       | 2023-07-24     |
|   |             |                |                 | Bullet resistant glazing GB17840-1999 5.2 6                                                                                            |                                       | 2023-07-24     |
|   |             |                |                 | Ballistic transparent material GA 165-2016 6.4、 6.5                                                                                    |                                       | 2023-07-24     |
|   |             |                |                 | Glassing in building- Security glazing- Testing and classification of resistance against bullet attack EN 1063:2000                    |                                       | 2023-07-24     |
|   |             |                |                 | Armoured vehicles-Bullet-resistant glazing materials-Specification GJB 3030-1997 4.6.15                                                | Applying to special user and products | 2023-07-24     |
|   |             |                |                 | Windows,doors,shutters and blinds-Bullet resistance-Test method BS EN 1523:1999                                                        |                                       | 2023-07-24     |
|   |             |                |                 | Bullet-resistant glazing-Part1: Specification for glazing for interior use BS 5051-1:1988                                              |                                       | 2023-07-24     |
|   |             |                |                 | Police ballistic shields GA 423-2015 6.10~6.12                                                                                         |                                       | 2023-07-24     |
|   |             |                |                 | Ballistic Resistant Protective Materials NIJ 0108.01 — 1985                                                                            |                                       | 2023-07-24     |
|   |             |                |                 | Test method of ballistic resistance against fragment simulating projectiles for fiber-reinforced composites-V50 method GB/T 32497-2016 |                                       | 2023-07-24     |
|   |             |                |                 | Test method of ballistic resistance for fiber-reinforced composites-Specific absorbed energy by perforation method GB/T 32493-2016     |                                       | 2023-07-24     |
|   |             |                |                 | Specification for the light ceramic composite armor GJB 6447-2008 4.4.7                                                                |                                       | 2023-07-24     |
|   |             |                |                 | General basis for ballistic material,construction and product testing VPAM APR 2006—2014                                               |                                       | 2023-07-24     |



| №  | Test Object | Item/Parameter |                                  | Standard or Method                                                                                                                                          | Note | Effective Date |
|----|-------------|----------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|    |             | №              | Item/ Parameter                  |                                                                                                                                                             |      |                |
| 30 |             |                |                                  | Procedures for the evaluation and classification of personal armour AEP 2920—2016                                                                           |      | 2023-07-24     |
|    |             |                |                                  | Specification for 30CrNiMoNb and 42CrNiMoV steel plates for armour GJB 8486-2015 4.4.8                                                                      |      | 2023-07-24     |
|    |             |                |                                  | Technical requirements for manufacture and acceptance of 15 military police general bulletproof panel (For trial implementation) WHB 906-2015 4.6.12、4.6.13 |      | 2023-07-24     |
|    |             | 2              | stab resistance performance      | Police stab-resistant armor GA 68-2019 6.7~6.9                                                                                                              |      | 2023-07-24     |
|    |             |                |                                  | Stab Resistance for Personal Body Armour NIJ 0115.00—2000                                                                                                   |      | 2023-07-24     |
|    |             |                |                                  | Body Armour Standard (2017) 7                                                                                                                               |      | 2023-07-24     |
|    |             |                |                                  | Anti-riot suit for police GA 420-2021 6.8、6.9                                                                                                               |      | 2023-07-24     |
|    |             | 1              | Ballistic resistance performance | ARMOR:LIGHTWEIGHT,COMPOSITE MIL-PRF-46103E-1998 4.4.1、4.4.2                                                                                                 |      | 2023-07-24     |
|    |             |                |                                  | Classification and testing methods for ballistic performance of physical protection products GA/T 1709-2020                                                 |      | 2023-07-24     |
|    |             |                |                                  | Ballistic performance V50 test method GJB 10131-2021                                                                                                        |      | 2023-07-24     |
|    |             |                |                                  | Body armor Classification and general technical requirements GOCT 34286-2017                                                                                |      | 2023-07-24     |
|    |             |                |                                  | Armor protection of special motor-cars GOCT 34282-2017                                                                                                      |      | 2023-07-24     |
|    |             |                |                                  | Protective laminated glass general specification GOCT 30826-2014                                                                                            |      | 2023-07-24     |
|    |             |                |                                  | Determination methods for protection coefficient of armor material GJB 8660-2015                                                                            |      | 2023-07-24     |
|    |             |                |                                  | General specification for armour parts of rolled homogeneous                                                                                                |      | 2023-07-24     |



No. CNAS L0269

第 68 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object               | Item/Parameter |                            | Standard or Method                                                                                                                              | Note | Effective Date |
|----|---------------------------|----------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|    |                           | №              | Item/ Parameter            |                                                                                                                                                 |      |                |
|    |                           |                |                            | steel for armor-vehicles GJB 1998A-2021 4.4.7                                                                                                   |      |                |
|    |                           |                |                            | Windows,doors,shutters and blinds-Bullet resistance-Requirements and classification BS EN 1522-1999                                             |      | 2023-07-24     |
| 31 | Special protective insert | 1              | Bulletproof performance    | Technical conditions for manufacture and acceptance of special ballistic plate of 15 Armed Police (for Trial implementation) WHB917-2015 4.5.12 |      | 2023-07-24     |
|    |                           | 2              | Environmental adaptability | Technical conditions for manufacture and acceptance of special ballistic plate of 15 Armed Police (for Trial implementation) WHB917-2015 4.5.13 |      | 2023-07-24     |
|    |                           | 3              | Appearance quality         | Technical conditions for manufacture and acceptance of special ballistic plate of 15 Armed Police (for Trial implementation) WHB917-2015 4.5.1  |      | 2023-07-24     |
|    |                           | 4              | Product identification     | Technical conditions for manufacture and acceptance of special ballistic plate of 15 Armed Police (for Trial implementation) WHB917-2015 4.5.2  |      | 2023-07-24     |
|    |                           | 5              | The finished structure     | Technical conditions for manufacture and acceptance of special ballistic plate of 15 Armed Police (for Trial implementation) WHB917-2015 4.5.3  |      | 2023-07-24     |
|    |                           | 6              | The finished product size  | Technical conditions for manufacture and acceptance of special ballistic plate of 15 Armed Police (for Trial implementation) WHB917-2015 4.5.4  |      | 2023-07-24     |
|    |                           | 7              | weight                     | Technical conditions for manufacture and acceptance of special ballistic plate of 15 Armed Police (for Trial implementation) WHB917-2015 4.5.5  |      | 2023-07-24     |
|    |                           | 8              | area density               | Technical conditions for manufacture and acceptance of special ballistic plate of 15 Armed Police (for Trial implementation) WHB917-2015 4.5.6  |      | 2023-07-24     |
|    |                           | 9              | B4C ceramic                | Technical conditions for manufacture and acceptance of special                                                                                  |      | 2023-07-24     |

No. CNAS L0269

第 69 页 共 80 页



The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object               | Item/Parameter |                            | Standard or Method                                                                                                                                 | Note                      | Effective Date |
|----|---------------------------|----------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------|
|    |                           | №              | Item/ Parameter            |                                                                                                                                                    |                           |                |
|    |                           |                |                            | ballistic plate of 15 Armed Police (for Trial implementation) WHB917-2015 4.5.8                                                                    |                           |                |
|    |                           | 10             | PE laminated plate         | Technical conditions for manufacture and acceptance of special ballistic plate of 15 Armed Police (for Trial implementation) WHB917-2015 4.5.9     |                           | 2023-07-24     |
| 32 | General Bulletproof Panel | 1              | Partial parameters         | Technical requirements for manufacture and acceptance of 15 military police general bulletproof panel (For trial implementation) WHB906-2015       |                           | 2023-07-24     |
|    |                           | 2              | Appearance quality         | Technical requirements for manufacture and acceptance of 15 military police general bulletproof panel (For trial implementation) WHB906-2015 4.6.1 |                           | 2023-07-24     |
|    |                           | 3              | Product identification     | Technical requirements for manufacture and acceptance of 15 military police general bulletproof panel (For trial implementation) WHB906-2015 4.6.2 |                           | 2023-07-24     |
|    |                           | 4              | Finished product structure | Technical requirements for manufacture and acceptance of 15 military police general bulletproof panel (For trial implementation) WHB906-2015 4.6.3 |                           | 2023-07-24     |
|    |                           | 5              | Finished product size      | Technical requirements for manufacture and acceptance of 15 military police general bulletproof panel (For trial implementation) WHB906-2015 4.6.4 |                           | 2023-07-24     |
|    |                           | 6              | Weight                     | Technical requirements for manufacture and acceptance of 15 military police general bulletproof panel (For trial implementation) WHB906-2015 4.6.5 |                           | 2023-07-24     |
|    |                           | 7              | Areal density              | Technical requirements for manufacture and acceptance of 15 military police general bulletproof panel (For trial implementation) WHB906-2015 4.6.6 |                           | 2023-07-24     |
| 33 | Protective vest           | 1              | structure size             | Technical requirements for manufacture and acceptance of 15 military police general bulletproof vest (for Trial implementation) WHB 902-2015 4.7.1 | Non reflective performanc | 2023-07-24     |



No. CNAS L0269

第 70 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                            | Standard or Method                                                                                                                                       | Note             | Effective Date |
|---|-------------|----------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|----------------|
|   |             | №              | Item/ Parameter            |                                                                                                                                                          |                  |                |
|   |             | 2              | bulletproof performance    | Technical requirements for manufacture and acceptance of 15 military police special bulletproof vest (for Trial implementation) WHB 912-2015 4.7.1       | e and durability | 2023-07-24     |
|   |             |                |                            | Technical requirements for manufacture and acceptance of 15 military police general bulletproof vest (for Trial implementation) WHB 902-2015 4.7.2       |                  | 2023-07-24     |
|   |             |                |                            | Technical requirements for manufacture and acceptance of 15 military police special bulletproof vest (for Trial implementation) WHB 912-2015 4.7.2       |                  | 2023-07-24     |
|   |             | 3              | Protection area            | Technical requirements for manufacture and acceptance of 15 military police general bulletproof vest (for Trial implementation) WHB 902-2015 4.7.3       |                  | 2023-07-24     |
|   |             |                |                            | Technical requirements for manufacture and acceptance of 15 military police special bulletproof vest (for Trial implementation) WHB 912-2015 4.7.3       |                  | 2023-07-24     |
|   |             | 4              | Environmental adaptability | Technical requirements for manufacture and acceptance of 15 military police general bulletproof vest (for Trial implementation) WHB 902-2015 4.7.5~4.7.8 |                  | 2023-07-24     |
|   |             |                |                            | Technical requirements for manufacture and acceptance of 15 military police special bulletproof vest (for Trial implementation) WHB 912-2015 4.7.5-4.7.8 |                  | 2023-07-24     |
|   |             | 5              | weight                     | Technical requirements for manufacture and acceptance of 15 military police general bulletproof vest (for Trial implementation) WHB 902-2015 4.7.10      |                  | 2023-07-24     |
|   |             |                |                            | Technical requirements for manufacture and acceptance of 15 military police special bulletproof vest (for Trial                                          |                  | 2023-07-24     |



No. CNAS L0269

第 71 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object             | Item/Parameter |                                                   | Standard or Method                                                                                                                                 | Note | Effective Date |
|----|-------------------------|----------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|
|    |                         | №              | Item/ Parameter                                   |                                                                                                                                                    |      |                |
|    |                         |                |                                                   | implementation) WHB 912-2015 4.7.10                                                                                                                |      |                |
| 34 | Special Protective vest | 1              | weight                                            | Specification for infantry ballistic vest GJB 5478-2006 4.6.5                                                                                      |      | 2023-07-24     |
|    |                         | 2              | Bulletproof performance                           | Specification for infantry ballistic vest GJB 5478-2006 4.6.17                                                                                     |      | 2023-07-24     |
|    |                         | 3              | Temperature resistance and waterproof performance | Specification for infantry ballistic vest GJB 5478-2006 4.6.21                                                                                     |      | 2023-07-24     |
|    |                         | 4              | The finished product size                         | Specification for infantry ballistic vest GJB 5478-2006 4.6.4                                                                                      |      | 2023-07-24     |
| 35 | General helmet          | 1              | Structure size                                    | Technical requirements for manufacture and acceptance of 15 military police general ballistic helmet (for Trial implementation) WHB 901-2015 4.7.1 |      | 2023-07-24     |
|    |                         |                |                                                   | Technical requirements for manufacture and acceptance of 15 military police special ballistic helmet WHB 908-2015 4.7.7~4.7.11                     |      | 2023-07-24     |
|    |                         | 2              | Bulletproof performance                           | Technical requirements for manufacture and acceptance of 15 military police general ballistic helmet (for Trial implementation) WHB 901-2015 4.7.2 |      | 2023-07-24     |
|    |                         |                |                                                   | Technical requirements for manufacture and acceptance of 15 military police general ballistic helmet (for Trial implementation) WHB 908-2015 4.7.2 |      | 2023-07-24     |
|    |                         | 3              | Structure size                                    | Technical requirements for manufacture and acceptance of 15 military police general ballistic helmet (for Trial implementation) WHB 901-2015 4.7.3 |      | 2023-07-24     |
|    |                         |                |                                                   | Technical requirements for manufacture and acceptance of 15 military police general ballistic helmet (for Trial                                    |      | 2023-07-24     |



No. CNAS L0269

第 72 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object              | Item/Parameter |                                          | Standard or Method                                                                                                                                        | Note           | Effective Date |
|----|--------------------------|----------------|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|
|    |                          | №              | Item/ Parameter                          |                                                                                                                                                           |                |                |
|    |                          |                |                                          | implementation) WHB 908-2015 4.7.3                                                                                                                        |                |                |
|    |                          | 4              | Lateral extrusion resistance performance | Technical requirements for manufacture and acceptance of 15 military police general ballistic helmet (for Trial implementation) WHB 901-2015 4.7.4        |                | 2023-07-24     |
|    |                          |                |                                          | Technical requirements for manufacture and acceptance of 15 military police general ballistic helmet (for Trial implementation) WHB 908-2015 4.7.4        |                | 2023-07-24     |
|    |                          | 5              | Strength of mandibular band device       | Technical requirements for manufacture and acceptance of 15 military police general ballistic helmet (for Trial implementation) WHB 901-2015 4.7.5        |                | 2023-07-24     |
|    |                          |                |                                          | Technical requirements for manufacture and acceptance of 15 military police general ballistic helmet (for Trial implementation) WHB 908-2015 4.7.5        |                | 2023-07-24     |
|    |                          | 6              | Environmental adaptability               | Technical requirements for manufacture and acceptance of 15 military police general ballistic helmet (for Trial implementation) WHB 901-2015 4.7.7~4.7.11 |                | 2023-07-24     |
|    |                          |                |                                          | Technical requirements for manufacture and acceptance of 15 military police general ballistic helmet (for Trial implementation) WHB 901-2015 4.7.7~4.7.11 |                | 2023-07-24     |
|    |                          | 7              | weight                                   | Technical requirements for manufacture and acceptance of 15 military police general ballistic helmet (for Trial implementation) WHB 901-2015 4.7.14       |                | 2023-07-24     |
|    |                          |                |                                          | Technical requirements for manufacture and acceptance of 15 military police general ballistic helmet (for Trial implementation) WHB 908-2015 4.7.16       |                | 2023-07-24     |
| 36 | General ballistic helmet | 1              | Partial parameters                       | Police ballistic helmets and face shields GA 293-2012                                                                                                     | Except optical | 2023-07-24     |



No. CNAS L0269

第 73 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object     | Item/Parameter |                                          | Standard or Method                                          | Note                                            | Effective Date |
|---|-----------------|----------------|------------------------------------------|-------------------------------------------------------------|-------------------------------------------------|----------------|
|   |                 | №              | Item/ Parameter                          |                                                             |                                                 |                |
|   | and face shield |                |                                          |                                                             | distortion performance and anti fog performance |                |
|   |                 | 2              | ballistic helmet requirement             | Police ballistic helmets and face shields GA 293-2012 6.1   |                                                 | 2023-07-24     |
|   |                 | 3              | General requirement                      | Police ballistic helmets and face shields GA 293-2012 6.1.1 |                                                 | 2023-07-24     |
|   |                 | 4              | Appearance requirement                   | Police ballistic helmets and face shields GA 293-2012 6.1.2 |                                                 | 2023-07-24     |
|   |                 | 5              | Colour                                   | Police ballistic helmets and face shields GA 293-2012 6.1.3 |                                                 | 2023-07-24     |
|   |                 | 6              | Size                                     | Police ballistic helmets and face shields GA 293-2012 6.1.4 |                                                 | 2023-07-24     |
|   |                 | 7              | Quality                                  | Police ballistic helmets and face shields GA 293-2012 6.1.5 |                                                 | 2023-07-24     |
|   |                 | 8              | Helmet lateral rigidity                  | Police ballistic helmets and face shields GA 293-2012 6.1.6 |                                                 | 2023-07-24     |
|   |                 | 9              | flame retardation performance            | Police ballistic helmets and face shields GA 293-2012 6.1.7 |                                                 | 2023-07-24     |
|   |                 | 10             | Strength of chin strap device            | Police ballistic helmets and face shields GA 293-2012 6.1.8 |                                                 | 2023-07-24     |
|   |                 | 11             | Police ballistic face shield requirement | Police ballistic helmets and face shields GA 293-2012 6.2   |                                                 | 2023-07-24     |
|   |                 | 12             | General requirement                      | Police ballistic helmets and face shields GA 293-2012 6.2.1 |                                                 | 2023-07-24     |
|   |                 | 13             | Appearance requirement                   | Police ballistic helmets and face shields GA 293-2012 6.2.2 |                                                 | 2023-07-24     |



| №  | Test Object               | Item/Parameter |                                              | Standard or Method                                                                            | Note                              | Effective Date |
|----|---------------------------|----------------|----------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------|----------------|
|    |                           | №              | Item/ Parameter                              |                                                                                               |                                   |                |
|    |                           | 14             | Quality                                      | Police ballistic helmets and face shields GA 293-2012 6.2.3                                   |                                   | 2023-07-24     |
|    |                           | 15             | Light transmittance                          | Police ballistic helmets and face shields GA 293-2012 6.2.4                                   |                                   | 2023-07-24     |
|    |                           | 16             | flame retardation                            | Police ballistic helmets and face shields GA 293-2012 6.2.7                                   |                                   | 2023-07-24     |
| 37 | Special Ballistic Helmets | 1              | Partial parameters                           | Requirements of Safety Technical Performance for Military Ballistic Helmet GJB 5115A-2012     | Except anti detection performance | 2023-07-24     |
|    |                           | 2              | General requirement                          | Requirements of Safety Technical Performance for Military Ballistic Helmet GJB 5115A-2012 5.1 |                                   | 2023-07-24     |
|    |                           | 3              | Surface density requirement                  | Requirements of Safety Technical Performance for Military Ballistic Helmet GJB 5115A-2012 5.3 |                                   | 2023-07-24     |
|    |                           | 4              | impact property                              | Requirements of Safety Technical Performance for Military Ballistic Helmet GJB 5115A-2012 5.4 |                                   | 2023-07-24     |
|    |                           | 5              | flame retardation property                   | Requirements of Safety Technical Performance for Military Ballistic Helmet GJB 5115A-2012 5.6 |                                   | 2023-07-24     |
| 38 | General Body Armor        | 1              | All parameters                               | Police ballistic resistance of body armor GA 141-2010                                         |                                   | 2023-07-24     |
|    |                           | 2              | General requirement                          | Police ballistic resistance of body armor GA 141-2010 6.1                                     |                                   | 2023-07-24     |
|    |                           | 3              | Appearance requirement                       | Police ballistic resistance of body armor GA 141-2010 6.2                                     |                                   | 2023-07-24     |
|    |                           | 4              | Colour                                       | Police ballistic resistance of body armor GA 141-2010 6.3                                     |                                   | 2023-07-24     |
|    |                           | 5              | Material properties of bulletproof protector | Police ballistic resistance of body armor GA 141-2010 6.4                                     |                                   | 2023-07-24     |
|    |                           | 6              | Protective area                              | Police ballistic resistance of body armor GA 141-2010 6.5                                     |                                   | 2023-07-24     |



No. CNAS L0269

第 75 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object                       | Item/Parameter |                                                  | Standard or Method                                                                          | Note                                                                      | Effective Date |
|----|-----------------------------------|----------------|--------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------|
|    |                                   | №              | Item/ Parameter                                  |                                                                                             |                                                                           |                |
| 39 | Special Body Armor                | 1              | All parameters                                   | Requirements of safety technical performance for military body armor, GJB 4300A-2012        |                                                                           | 2023-07-24     |
|    |                                   | 2              | General requirement                              | Requirements of safety technical performance for military body armor, GJB 4300A-2012 6.1    |                                                                           | 2023-07-24     |
|    |                                   | 3              | Protection area and surface density requirements | Requirements of safety technical performance for military body armor, GJB 4300A-2012 6.3    |                                                                           | 2023-07-24     |
| 40 | Ballistic Transparent Material    | 1              | All parameters                                   | Ballistic transparent material GA 165-2016                                                  |                                                                           | 2023-07-24     |
|    |                                   | 2              | Appearance and logo                              | Ballistic transparent material GA 165-2016 6.1                                              |                                                                           | 2023-07-24     |
|    |                                   | 3              | Size and deviation                               | Ballistic transparent material GA 165-2016 6.2                                              |                                                                           | 2023-07-24     |
|    |                                   | 4              | Light transmittance                              | Ballistic transparent material GA 165-2016 6.3                                              |                                                                           | 2023-07-24     |
| 41 | Vehicles-Bullet-resistant Glazing | 1              | Partial parameters                               | Specification for bullet-resistant transparency for armored vehicles GJB 3030A-2021         | Accredited only for visible light transmittance and ballistic performance | 2023-07-24     |
|    |                                   | 2              | transmittance                                    | Specification for bullet-resistant transparency for armored vehicles GJBA 3030A-2021 4.4.3  |                                                                           | 2023-07-24     |
|    |                                   | 3              | Ballistic resistance performance                 | Specification for bullet-resistant transparency for armored vehicles GJBA 3030A-2021 4.4.17 |                                                                           | 2023-07-24     |
| 42 | General ballistic Shield          | 1              | Partial parameters                               | Police ballistic shields GA 423-2015                                                        | Except optical distortion performance                                     | 2023-07-24     |



No. CNAS L0269

第 76 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object      | Item/Parameter |                                                         | Standard or Method                                                                                                  | Note                                                             | Effective Date |
|----|------------------|----------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------|
|    |                  | №              | Item/ Parameter                                         |                                                                                                                     |                                                                  |                |
|    |                  |                |                                                         |                                                                                                                     | e,<br>connection<br>strength<br>and<br>adhesion of<br>paint film |                |
|    |                  | 2              | General requirement                                     | Police ballistic shields GA 423-2015 6.1                                                                            |                                                                  | 2023-07-24     |
|    |                  | 3              | Appearance                                              | Police ballistic shields GA 423-2015 6.2                                                                            |                                                                  | 2023-07-24     |
|    |                  | 4              | Construction                                            | Police ballistic shields GA 423-2015 6.3                                                                            |                                                                  | 2023-07-24     |
|    |                  | 5              | Sign                                                    | Police ballistic shields GA 423-2015 6.4                                                                            |                                                                  | 2023-07-24     |
|    |                  | 6              | Protection area and quality                             | Police ballistic shields GA 423-2015 6.5                                                                            |                                                                  | 2023-07-24     |
|    |                  | 7              | Transmittance of inspection window                      | Police ballistic shields GA 423-2015 6.6.2                                                                          |                                                                  | 2023-07-24     |
|    |                  | 8              | lap width and minimum visible area of inspection window | Police ballistic shields GA 423-2015 6.6.3                                                                          |                                                                  | 2023-07-24     |
|    |                  | 9              | flame retardation performance                           | Police ballistic shields GA 423-2015 6.8                                                                            |                                                                  | 2023-07-24     |
| 43 | Protective steel | 1              | Partial parameters                                      | Specification for 30CrNiMoNb and 42CrNiMOV steel plates for armour GJB 8486-2015 不测冶炼方法、牌号和化学成分、交货状态、力学性能、冷弯性能、超声检测 | Accredited only for                                              | 2023-07-24     |
|    |                  | 2              | Size, shape and weight                                  | Specification for 30CrNiMoNb and 42CrNiMOV steel plates for armour GJB 8486-2015 3.7                                |                                                                  | 2023-07-24     |
|    |                  | 3              | Quality of appearance                                   | Specification for 30CrNiMoNb and 42CrNiMOV steel plates for armour use GJB 8486-2015 3.8                            |                                                                  | 2023-07-24     |



No. CNAS L0269

第 77 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| №  | Test Object           | Item/Parameter |                                                                          | Standard or Method                         | Note | Effective Date |
|----|-----------------------|----------------|--------------------------------------------------------------------------|--------------------------------------------|------|----------------|
|    |                       | №              | Item/ Parameter                                                          |                                            |      |                |
| 44 | Stab-resistant Armor  | 1              | All parameters                                                           | Police stab-resistant armor GA 68-2019     |      | 2023-07-24     |
|    |                       | 2              | General requirements                                                     | Police stab-resistant armor GA 68-2019 6.1 |      | 2023-07-24     |
|    |                       | 3              | Appearance requirement                                                   | Police stab-resistant armor GA 68-2019 6.2 |      | 2023-07-24     |
|    |                       | 4              | Color                                                                    | Police stab-resistant armor GA 68-2019 6.3 |      | 2023-07-24     |
|    |                       | 5              | Material properties of the protective sheath of the puncture-proof layer | Police stab-resistant armor GA 68-2019 6.4 |      | 2023-07-24     |
|    |                       | 6              | Area of protection                                                       | Police stab-resistant armor GA 68-2019 6.5 |      | 2023-07-24     |
|    |                       | 7              | Weight                                                                   | Police stab-resistant armor GA 68-2019 6.6 |      | 2023-07-24     |
| 45 | Police Anti-riot Suit | 1              | All parameters                                                           | anti-riot suit GA 420-2021 补全参数            |      | 2023-07-24     |
|    |                       | 2              | General requirements                                                     | Police anti-riot suit GA 420-2021 6.1      |      | 2023-07-24     |
|    |                       | 3              | Appearance requirement                                                   | Police anti-riot suit GA 420-2021 6.2      |      | 2023-07-24     |
|    |                       | 4              | Color                                                                    | Police anti-riot suit GA 420-2021 6.3      |      | 2023-07-24     |
|    |                       | 5              | Area of protection                                                       | Police anti-riot suit GA 420-2021 6.4      |      | 2023-07-24     |
|    |                       | 6              | weight                                                                   | Police anti-riot suit GA 420-2021 6.5      |      | 2023-07-24     |
|    |                       | 7              | Materials and connectors                                                 | Police anti-riot suit GA 420-2021 6.6      |      | 2023-07-24     |



| №  | Test Object                           | Item/Parameter |                                 | Standard or Method                                                                      | Note | Effective Date |
|----|---------------------------------------|----------------|---------------------------------|-----------------------------------------------------------------------------------------|------|----------------|
|    |                                       | №              | Item/ Parameter                 |                                                                                         |      |                |
|    |                                       | 8              | Resistance to impact            | Police anti-riot suit GA 420-2021 6.7                                                   |      | 2023-07-24     |
|    |                                       | 9              | Adaptability to temperature     | Police anti-riot suit GA 420-2021 6.10                                                  |      | 2023-07-24     |
|    |                                       | 10             | Flame retardant performance     | Police anti-riot suit GA 420-2021 6.11                                                  |      | 2023-07-24     |
| 46 | Gas monitors and alarms for workplace | 1              | Partial parameters              | Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.4  |      | 2023-07-24     |
|    |                                       | 2              | detection error                 | Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.4  |      | 2023-07-24     |
|    |                                       | 3              | alarm error                     | Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.5  |      | 2023-07-24     |
|    |                                       | 4              | repeatability                   | Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.6  |      | 2023-07-24     |
|    |                                       | 5              | response time                   | Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.9  |      | 2023-07-24     |
|    |                                       | 6              | Full range indication deviation | Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.10 |      | 2023-07-24     |
|    |                                       | 7              | long-term stability             | Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.12 |      | 2023-07-24     |
|    |                                       | 8              | insulation resistance           | Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.13 |      | 2023-07-24     |
|    |                                       | 9              | withstand voltage               | Gas monitors and alarms for workplace-General technical requirements GB 12358-2006 6.14 |      | 2023-07-24     |
| 47 | Deleterious gas alarm                 | 1              | Partial parameters              | General specification of harmful gas alarms for military GJB 2553A-2021                 |      | 2023-07-24     |
|    |                                       | 2              | insulation resistance           | General specification of harmful gas alarms for military GJB 2553A-2021 4.5.2           |      | 2023-07-24     |
|    |                                       | 3              | dielectric strength             | General specification of harmful gas alarms for military GJB 2553A-2021 4.5.3           |      | 2023-07-24     |



No. CNAS L0269

第 79 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.

| № | Test Object | Item/Parameter |                     | Standard or Method                                                                           | Note | Effective Date |
|---|-------------|----------------|---------------------|----------------------------------------------------------------------------------------------|------|----------------|
|   |             | №              | Item/ Parameter     |                                                                                              |      |                |
|   |             | 4              | intrinsic error     | General specification of harmful gas alarms for military GJB 2553A-2021 4.5.4                |      | 2023-07-24     |
|   |             | 5              | alarm error         | General specification of deleterious gas alarm for military application GJB 2553A-2021 4.5.5 |      | 2023-07-24     |
|   |             | 6              | alarm signal        | General specification of harmful gas alarms for military GJB 2553A-2021 4.5.6                |      | 2023-07-24     |
|   |             | 7              | response time       | General specification of harmful gas alarms for military GJB 2553A-2021 4.5.7                |      | 2023-07-24     |
|   |             | 8              | false positive rate | General specification of harmful gas alarms for military GJB 2553A-2021 4.5.8                |      | 2023-07-24     |
|   |             | 9              | missing report rate | General specification of harmful gas alarms for military GJB 2553A-2021 4.5.9                |      | 2023-07-24     |
|   |             | 10             | repeatability       | General specification of harmful gas alarms for military GJB 2553A-2021 4.5.10               |      | 2023-07-24     |
|   |             | 11             | stability           | General specification of harmful gas alarms for military GJB 2553A-2021 4.5.11               |      | 2023-07-24     |
|   |             | 12             | high temperature    | General specification of harmful gas alarm 是 for military GJB 2553A-2021 4.5.13              |      | 2023-07-24     |
|   |             | 13             | low temperature     | General specification of harmful gas alarms for military GJB 2553A-2021 4.5.14               |      | 2023-07-24     |



No. CNAS L0269

第 80 页 共 80 页

The scope of the accreditation in Chinese remains the definitive version.