

D-PL-11185-01-00 DAkkS accreditation method within Flexible Scope List
D-PL-11185-01-00 DAkkS 弹性认可范围测试方法清单

1. Chemical and physical-chemical testing of consumer products and their raw materials

1.1 Sample preparation of consumer products

1.1.1 Ultrasonic Extraction of consumer products for chemical testing *

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Phthalate	EPA 3550C 2007-02	Ultrasonic Extraction (Limitation: only for phthalate analysis)	Plastics/Polymers, Coating, Textile, Leather, Electrical Products	2023-08-11
	Flame Retardants	EPA 3550C 2007-02	Ultrasonic Extraction (only for Flame Retardants analysis)	Textile,Leather,Plastic	2023-08-11
	Glycols	EPA 3550C 2007-02	Ultrasonic Extraction (only for Glycols analysis)	Dyes,Liquid	2023-08-11
	Halogenated Solvents,Volatile Organic Compounds	EPA 3550C 2007-02	Ultrasonic Extraction (only for Halogenated Solvents,Volatile Organic Compounds analysis)	Textile, Plastic and Liquid	2023-08-11
	Benzylchloride	EPA 3550C 2007-02	Ultrasonic Extraction (only for Benzylchloride analysis)	Textile	2023-08-11
	Thiourea, AEEA [2-2- aminoethylamino) ethanol]	EPA 3550C 2007-02	Ultrasonic Extraction (only for Thiourea, AEEA [2-2-aminoethylamino) ethanol] analysis)	Dye,Liquid	2023-08-11

1.1.2 Silica Gel Cleanup of consumer products for chemical testing

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Pesticides	EPA 3630 C 1996-12	Silica Gel Cleanup (only for pesticides)	Textile,Wood	2023-08-11

1.1.3 Acid Digestion of consumer products for chemical testing *

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Heavy Metals	EPA 3050B 1996-12	Acid Digestion of Sediments, Sludges, and Soils	Metal	2023-08-11

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
2	Heavy Metals	EPA 3052 1996-12	Microwave Assisted Acid Digestion of Siliceous and Organically Based Matrices	Plastics/Polymers	2023-08-11
3	Heavy Metals	ASTM E1645 -20a 2020-12	Standard Practice for the Preparation of Dried Paint Samples by Hotplate or Microwave Digestion for Subsequent Lead Analysis	Paint	2023-08-11

1.2 Determination of Organic Hazardous Substances using Gas Chromatography with mass selective detectors (GC-MS) for textiles, leather, plastics, polymers,, wood and wood-based panels, liquid (cleaners, adhesives, auxiliaries), dyes, paints, coatings, alloys **

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Azo	ISO 14362-1 2017-02	Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres	Textiles	2023-08-11
2	Azo	ISO 14362-3 2017-02	Textiles - Methods for Determination of Certain Aromatic Amines Derived From azo Colorants - Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene	Textiles	2023-08-11
3	Phthalates	ISO 14389 2014-05	Textiles - Determination of the phthalate content -Tetrahydrofuran method	Textiles	2023-08-11
4	Tetrachlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol	ISO 17070 2015-02	Leather - Chemical tests - Determination of tetrachlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol content	Leather	2023-08-11
5	Azo	ISO 17234-1 2020-09	Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colorants	Leather	2023-08-11
6	4-aminoazobenzene	ISO 17234-2 2011-03	Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 2: Determination of 4-aminoazobenzene	Leather	2023-08-11

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
7	Organotin	ISO 17353 2004-09	Water quality - Determination of selected organotin compounds - Gas chromatographic method (Modifications:1. Only applied for textiles, leather, plastics and ink 2. extraction by ultrasonic method with acetone solution)	Textiles, Leather, Plastics and Ink	2023-08-11
8	PAH	ISO 18287 2006-01	Soil quality - Determination of polycyclic aromatic hydrocarbons (PAH) - Gas chromatographic method with mass spectrometric detection (GC-MS) (Modifications: 1) only applied for textiles, leather, plastics and rubber)	Textiles, Plastics and Rubber	2023-08-11
9	Organotin	ISO/TS 16179 2012-08	Footwear - Critical substances potentially present in footwear and footwear components - Determination of organotin compounds in footwear materials	Footwear	2023-08-11
10	Organotin	EN ISO 17353 2005-11	Water quality - Determination of selected organotin compounds - Gas chromatographic method (Modifications:1. Only applied for textiles, leather, plastics and ink 2. extraction by ultrasonic method with acetone solution)	Textiles, Leather, Plastics and Ink	2023-08-11
11	Tetrachlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol	DIN EN ISO 17070 2015-05	Leather - Chemical tests - Determination of tetrachlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol content	Leather	2023-08-11
12	Azo	DIN EN ISO 14362-3 2017-05	Textiles - Methods for Determination of Certain Aromatic Amines Derived From azo Colorants - Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene	Textiles	2023-08-11
13	Azo	DIN EN ISO 14362-1 2017-05	Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres	Textiles	2023-08-11
14	Phthalate	DIN EN 14372 2007-05	Child use and care articles - Cutlery and feeding utensils - Safety requirements and tests (Section 6.3.2 Determination of phthalate content)	Plastics/Polymers	2023-08-11

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
15	Phthalate	EN 14372 2004-08	Child use and care articles - Cutlery and feeding utensils - Safety requirements and tests (Limitation: Section 6.3.2 Determination of phthalate content)	Plastics/Polymers	2023-08-11
16	Chlorobenzenes and Chlorotoluenes	BS EN 17137 2018-11	Textiles - Determination of the content of compounds based on chlorobenzenes and chlorotoluenes	Textiles	2023-08-11
17	Chlorobenzenes and Chlorotoluenes	EN 17137 2018-11	Textiles - Determination of the content of compounds based on chlorobenzenes and chlorotoluenes	Textiles	2023-08-11
18	Organotin	BS EN ISO 17353 2006-03	Water quality - Determination of selected organotin compounds - Gas chromatographic method (Modifications:1. Only applied for textiles, leather, plastics and ink 2. extraction by ultrasonic method with acetone solution)	Textiles, Leather, Plastics and Ink	2023-08-11
19	Organotin	BS ISO 17353 2004-09	Water quality - Determination of selected organotin compounds - Gas chromatographic method (Modifications:1. Only applied for textiles, leather, plastics and ink 2. extraction by ultrasonic method with acetone solution)	Textiles, Leather, Plastics and Ink	2023-08-11
20	Phthalate	BS EN 14372 2004-11	Child use and care articles - Cutlery and feeding utensils - Safety requirements and tests (Limitation: Section 6.3.2 Determination of phthalate content)	Plastics/Polymers	2023-08-11
21	Tetrachlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol	BS EN ISO 17070 2015-03	Leather - Chemical tests - Determination of tetrachlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol content	Leather	2023-08-11
22	Pesticides	EPA 8081B 2007-02	Organochlorine Pesticides by Gas Chromatography (Limitation: only testing for pesticides-analysis of textile)	Textile	2023-08-11
23	Pesticides	EPA 8141B 2007-02	Organophosphorus Compounds by Gas Chromatography (Limitation: only for pesticides of textile)	Textile	2023-08-11

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
24	Glycols, Halogenated Solvents	EPA 8260D 2018-06	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (Limitation: only testing for Glycols, Halogenated Solvents, Volatile Organic Compounds analysis in)	Textile, Plastic, Liquid (Cleaners, Adhesives, Auxiliaries), Dyes	2023-08-11
25	Pesticides	EPA 8270E 2018-06	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (Limitation: only testing for pesticides, phthalate, Flame Retardants, Benzylchloride analysis in textile, leather, plastic, wood, Wood-based panels)	Textile, Wood	2023-08-11
	Phthalate	EPA 8270E 2018-06	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (Limitation: only testing for pesticides, phthalate, Flame Retardants, Benzylchloride analysis in textile, leather, plastic, wood, Wood-based panels)	textile, leather, plastic, wood, Wood-based panels	2023-08-11
	Flame Retardants	EPA 8270E 2018-06	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (Limitation: only testing for pesticides, phthalate, Flame Retardants, Benzylchloride analysis in textile, leather, plastic, wood, Wood-based panels)	Textile,Leather,Plastic	2023-08-11
	Benzylchloride	EPA 8270E 2018-06	Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (Limitation: only testing for pesticides, phthalate, Flame Retardants, Benzylchloride analysis in textile, leather, plastic, wood, Wood-based panels)	Textile	2023-08-11
26	PAH	AfPS GS 2019:01 PAK 2020-04	Testing and Evaluation of Polycyclic Aromatic Hydrocarbons for the Granting of GS Mark (Limitation: only for testing)	Plastics/Polymers, Textile, Electrical Products	2023-08-11

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
28	UV Absorbers (UV-350, UV-320, UV-327, UV-328)	SHTC-CHEM-SOP -146-T 2023-07	Determination of the content of the Benzotriazole UV absorber in plastic, textile, liquid and power by GC-MS after extraction	Plastic	2023-08-11
29	Triclosan	SHTC-CHEM-SOP-230-T 2022-10	Determination of Triclosan in Textile/Plastics Material of Consumer Product by GC/MS Method	Textile/Plastics	2023-08-11
30	Phthalates	CPSC-CH-C1001-09.4 2018-01	Standard Operating Procedure for Determination of Phthalates (Limitation: only applied for plastics, polymers)	Plastics/Polymers	2023-08-11
31	Chemical Screening test method	SHTC-CHEM-SOP-1308-T 2023-04	Chemical Screening test method for MRSL substances in various chemical formulations with GC-MS, HPLC-DAD/MS (Limitation: only applied for paints, inks, dyes, pigments and liquid (cleaners, adhesives, auxiliaries etc.))	MRSL substances in various chemical formulations	2023-08-11
32	Silioxane	SHTC-CHEM-SOP-1895-T 2023-04	Determination of Siloxane in liquid and powder samples by GC/MS	liquid and powder	2023-08-11
33	Bisphenol A	SHTC-CHEM-SOP-1976-T 2023-05	Determination of bisphenol A content in liquid and powder-LC/MS or HPLC/MS/MS	liquid and powder	2023-08-11

1.3 Determination of Chlorinated Paraffins (SCCP, MCCP) using GC-NCI-MS for textile, leather and polymeric components

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Chlorinated Paraffins (SCCP, MCCP)	SHTC-CHEM-SOP-847-T 2021-09	Determination of Short Chain Chlorinated Paraffin (C10-13), Medium Chain Chlorinated Paraffin (C14-17) and Long Chain Chlorinated Paraffin (C18-28) Content in textile, leather and polymeric components by GC-NCI-MS	Textile, Leather and Polymeric components	2023-08-11

1.4 Determination of Organotin using Gas Chromatography Tandem Mass Spectrometry (GC-MSMS) for toys

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Migration of certain elements	DIN EN 71-3 2021-06	Safety of toys - Part 3: Migration of certain elements (Limitation:Only testing for Organotin)	Toys	2023-08-11
2	Migration of certain elements	EN 71-3 2019-04+A1:2021-04	Safety of toys - Part 3: Migration of certain elements (Limitation:Only testing for Organotin)	Toys	2023-08-11
3	Migration of certain elements	BS EN 71-3 2019-04+A1:2021-04	Safety of toys - Part 3: Migration of certain elements (Limitation:Only testing for Organotin)	Toys	2023-08-11
4	Migration of certain elements	DIN EN 71-3 2019-08	Safety of toys - Part 3: Migration of certain elements (Limitation:Only testing for Organotin)	Toys	2023-08-11
5	Migration of certain elements	EN 71-3 2019-04	Safety of toys - Part 3: Migration of certain elements (Limitation:Only testing for Organotin)	Toys	2023-08-11
6	Migration of certain elements	BS EN 71-3 2019-04	Safety of toys - Part 3: Migration of certain elements (Limitation:Only testing for Organotin)	Toys	2023-08-11

1.5 Determination of Pentachlorophenol in textiles and leather using Gas Chromatography-Electron Capture Detector (GC-ECD)

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Pentachlorophenol	BVL B 82.02-8 2001-06	Testing of commodity articles detection and quantification of Pentachlorophenol in commodity goods, particularly in leather and textiles (Reference Method) (Limitation:only using GC-ECD)	Leather and Textiles	2023-08-11

1.6 Determination of overall migration in plastics using GC-FID for plastics

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Overall migration	EN 1186-2 2002-07	Materials and articles in contact with foodstuffs - Plastics - Part 2: Test methods for overall migration into olive oil by total immersion	Plastics	2023-08-11

1.7 Determination of Organic Hazardous Substances using High Performance Liquid Chromatography with mass selective Detector (HPLC-MS) for textile, leather, plastic and Liquid (cleaners, adhesives, auxiliaries etc.), dyes, coatings **

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Anti-Microbials & Biocides	ISO 13365-1 2020-07	Leather — Chemical tests —Determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography-Part 1: Acetonitrile extraction method	Leather	2023-08-11
2	Azo	ISO 14362-3 2017-02	Textiles - Methods for Determination of Certain Aromatic Amines Derived From azo Colorants - Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene	Textiles	2023-08-11
3	Azo	ISO 17234-1 2020-09	Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colorants	Leather	2023-08-11
4	4-aminoazobenzene	ISO 17234-2 2011-03	Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 2: Determination of 4-aminoazobenzene	Leather	2023-08-11
5	Azo	DIN EN ISO 14362-3 2017-05	Textiles - Methods for Determination of Certain Aromatic Amines Derived From azo Colorants - Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene	Textiles	2023-08-11
6	Azo	DIN EN ISO 14362-1 2017-05	Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres	Textiles	2023-08-11
7	Carcinogenic dyestuffs, Allergenic disperse dyestuffs, Quinoline and Navy Blue colourants	DIN 54231 2005-11	Textiles - Detection of disperse dyestuffs(apply for Carcinogenic dyestuffs, Allergenic disperse dyestuffs and Navy Blue colourants)	Textiles	2023-08-11

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
8	Thiourea, AEEA [2-2-aminoethylamino) ethanol]	EPA 8321B 2007-02	Solvent extractable nonvolatile compounds by HPLC/TS/MS or UV detection (Limitation: only for Thiourea, AEEA[2-2-aminoethylamino ethanol]analysis in dyes, liquid(cleaners, adhesives, auxiliaries)using HPLC-MS)	Dyes, Liquid(Cleaners, Adhesives, Auxiliaries)	2023-08-11
9	NP, OP and NPEOs, OPEOs	SHTC-CHEM-SOP-92-T 2020-09	Determination of NP, OP and NPEOs, OPEOs content in Textile, Plastic and Liquid materials by HPLC-MS	Textile, Plastic and Liquid materials	2023-08-11
10	BDBPP, TRIS, Tris-(azirdinyl)-phosphine oxide and 2,2-bis(bromomethyl)-1,3-propanediol content	SHTC-CHEM-SOP-102-T 2018-11	Determination of Bis(2,3-dibromopropyl) Phosphate (BDBPP) , Tris(2,3-dibromopropyl) Phosphate (TRIS) , Tris-(azirdinyl)-phosphine oxide and 2,2-bis(bromomethyl)-1,3-propanediol content in textile by HPLC-MS	Textile	2023-08-11
11	Chemical Screening test method	SHTC-CHEM-SOP-1308-T 2020-04	Chemical Screening test method for MRSL substances in various chemical formulations with GC-MS, HPLC-DAD/MS (Limitation:Only for paints, inks, dyes, pigments and liquid (cleaners, adhesives, auxiliaries))	Paints, Inks, Dyes, Pigments and Liquid (Cleaners, Adhesives, Auxiliaries)	2023-08-11
12	Bisphenol A	SHTC-CHEM-SOP-1597-T 2020-10	Determination of Bisphenol A by HPLC-MS or HPLC/MS/MS (Limitation:only applied for plastic, textile, coatings and liquid (cleaners, adhesives, auxiliaries) using HPLC-MS)	Plastic, Textile, Coatings and Liquid (Cleaners, Adhesives, Auxiliaries)	2023-08-11

1.8 Determination of perfluorinated and polyfluorinated chemicals (PFC) using HPLC-MSMS for leather

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Perfluorinated and Polyfluorinated Chemicals(PFC)	ISO 23702-1 2018-09	Leather — Organic fluorine —Part 1:Determination of the non-volatile compound content by extraction method using liquid chromatography/ tandem mass spectrometry detector	Leather	2023-08-11

1.9 Determination of Formaldehyde and biocide using High Performance Liquid Chromatography-Diode Array Detector (HPLC-DAD) for le:

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Formaldehyde	ISO 17226-1 2021-02	Leather - Chemical determination of formaldehyde content -Part 1: Method using high performance liquid chromatography	Leather	2023-08-11
2	Biocide	SHTC-CHEM-SOP-220- T 2018-06	Determination Biocide in Textile Materials by HPLC-DAD Method	Textile	2023-08-11

1.10 Determination of Heavy Metal using Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) for toys, metal assemblies, textiles, leathers, rubber, plastics and metal **

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Nickel release	DIN EN 12472 2020-11	Method for the simulation of accelerated wear and corrosion for the detection of nickel release from coated items	Coated items	2023-08-11
2	Nickel release	DIN EN 1811 2015-10	Reference test method for release of nickel from all post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin	Metal assemblies	2023-08-11
3	Nickel release	EN 12472+A1 2020-09	Method for the simulation of accelerated wear and corrosion for the detection of nickel release from coated items	Coated items	2023-08-11
4	Nickel release	EN 1811+A1 2015-07	Reference test method for release of nickel from all post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin	Metal assemblies	2023-08-11
5	Hazardous Substances	EPA 6010D 2018-07	Inductively Coupled Plasma-Optical Emission Spectrometry	Textiles, Leather, Toys, Rubber, Plastics	2023-08-11
6	Total Lead	CPSC-CH-E1001-08.3 2012-11	Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry)	Metal	2023-08-11

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
7	Heavy Metals	ASTM F963 2017-05	Standard Consumer Safety Specification for Toy Safety	Paints and Coatings, Polymeric	2023-08-11
8	Nickel Release	BS PD CR 12471 2002-09	Screening test for nickel release from alloys and coating in items that come into direct and prolonged contact with the skin	Alloys and Coating	2023-08-11
9	Nickel release	BS EN 12472 2020-09	Method for the simulation of accelerated wear and corrosion for the detection of nickel release from coated items	Coated items	2023-08-11
10	Nickel release	BS EN 1811+A1 2015-08	Reference test method for release of nickel from all post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin	Metal assemblies	2023-08-11
11	Chemical Screening test method	SHTC-CHEM-SOP-1307-T 2020-04	Chemical Screening test method for MRSL substances in various chemical formulations with ICP-OES (Limitation: only applied for paints, inks, dyes, pigments and liquid (cleaners, adhesives, auxiliaries))	MRSL substances in various chemical formulations	2023-08-11

1.11 Determination of Heavy Metal using Atomic Absorption Spectrophotometer (AAS) for toys, metal, metal assemblies, textiles, coatings, plastics, polymers, leather and rubber *

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Heavy Metal	DIN EN 1122 Method B 2002-02	Plastics - Determination of cadmium - Wet decomposition method	Plastics/Polymers	2023-08-11
2	Heavy Metals	DIN EN 1388-2 1995-11	Materials and articles in contact with foodstuffs - silicate surfaces - Determination of the release of lead and cadmium from silicate surfaces other than ceramic	Food Contact Materials	2023-08-11

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
3	Heavy Metal	EN 1122 Method B 2001-03	Plastics - Determination of cadmium - Wet decomposition method	Plastics/Polymers	2023-08-11
4	Heavy Metals	EN 1388-2 1995-10	Materials and articles in contact with foodstuffs - silicate surfaces - Determination of the release of lead and cadmium from silicate surfaces other than ceramic	Food Contact Materials	2023-08-11
5	Heavy Metal	BS EN 1122 2001-05	Plastics - Determination of cadmium - Wet decomposition method	Plastics/Polymers	2023-08-11
6	Heavy Metals	BS EN 1388-2 1996-07	Materials and articles in contact with foodstuffs - silicate surfaces - Determination of the release of lead and cadmium from silicate surfaces other than ceramic	Food Contact Materials	2023-08-11
7	Heavy Metals	BS 6748 1986-08+A1:2011-10	Specification for limits of metal release from ceramic ware, glassware, glass ceramic ware and vitreous enamel ware	Food Contact Materials	2023-08-11
8	Lead	CPSC-CH-E1003-09.1 2011-02	Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings	Paints and Coatings	2023-08-11
9	Total Lead	CPSC-CH-E1002-08.3 2012-11	Standard Operating Procedure for Determining Total Lead (Pb) in Non-Metal Children's Products	Plastics/Polymers, Non-Metal	2023-08-11
10	Total Lead	Standard Operating Procedure for Determining Lead (Pb) and Its Availability in Children's Metal Jewellery 2005-03	Screening test for total Pb analysis	Metal	2023-08-11

1.12 Determination of Halogens using Ion-Chromatography (IC) for leather, toys, plastics and polymers

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Halogens	EN 14582 2016-08	Characterization of waste - Halogen and sulfur content - Oxygen combustion in closed systems and determination methods	Plastics/Polymers	2023-08-11
2	Halogens	BS EN 14582 2016-08	Characterization of waste - Halogen and sulfur content - Oxygen combustion in closed systems and determination methods	Plastics/Polymers	2023-08-11

1.13 Determination of chromium (VI), migration of certain elements using IC-UV for leather and toys

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Chromium(VI)	ISO 17075-2 2017-02	Leather - Chemical determination of chromium(VI) content in leather - Part 2: Chromatographic method	Leather	2023-08-11

1.14 Determination of heavy metal, formaldehyde using UV-VIS Spectrophotometer (UV-VIS) for textiles, leathers, food contact material, wood and wood-based materials, vehicle interior **

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Chromium(VI)	ISO 17075-1 2017-02	Leather - Chemical determination of chromium(VI) content in leather - Part 1: Colorimetric method	Leather	2023-08-11
2	Formaldehyde	ISO 17226-2 2018-12	Leather - Chemical determination of formaldehyde content - Part 2: Method using colorimetric analysis	Leather	2023-08-11
3	Formaldehyde	BS EN 1541 2001-06	Paper and board intended to come into contact with foodstuffs - Determination of formaldehyde in an aqueous extract	Paper and Board intended to come into contact with foodstuffs	2023-08-11
4	Formaldehyde release	BS EN 717-3 1996-09	Wood-based panels - Determination of formaldehyde release -Part 3: Formaldehyde release by the flask method	Wood and Wood Based Materials	2023-08-11

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
5	Formaldehyde	BS EN 645 1994-02	Paper and board intended to come into contact with foodstuffs - Preparation of a cold water extract	Paper and Board intended to come into contact with foodstuffs	2023-08-11

1.15 Determination of overall migration using gravimetric analysis (balance) for plastics materials and articles in contact with foodstuffs*

1	Overall migration	EN 1186-3 2002-07	Materials and articles in contact with foodstuffs - Plastics - Part 3: Test methods for overall migration into aqueous food simulants by total immersion	Plastics	2023-08-11
2	Overall migration	EN 1186-5 2002-07	Materials and articles in contact with foodstuffs - Plastics - Part 5: Test methods for overall migration into aqueous food simulants by cell	Plastics	2023-08-11
3	Overall migration	EN 1186-9 2002-07	Materials and articles in contact with foodstuffs - Plastics - Part 9: Test methods for overall migration into aqueous food simulants by article filling	Plastics	2023-08-11
4	Overall migration	EN 1186-14 2002-12	Materials and articles in contact with foodstuffs - Plastics - Part 14: Test methods for 'substitute tests' for overall migration from plastics intended to come into contact with fatty foodstuffs using test media isooctane and 95% ethanol	Plastics	2023-08-11
5	Overall migration	(EU)No.10/2011 2011-01	Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food	Plastics	2023-08-11

1.16 Determination of moisture content in wood-based panels using oven for wood-based panels

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Moisture content	EN 322 1993-02	Wood-based panels-determination of moisture content	Wood-based panels	2023-08-11

2 Electro technical/electrical and electronic products, electrical parts of consumer products and their raw materials

2.1 Determination of Organic Hazardous Substances using Gas Chromatography with mass selective detectors (GC-MS) for electrotechnical/electrical and electronic products, electrical parts of consumer products and their raw materials**

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	PBB&PBDE	IEC 62321-6 Edition 1.0 2015-06	Determination of certain substances in electrotechnical products - Part 6: Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography-mass spectrometry (GC-MS)	Electrotechnical Products	2023-08-11
2	Phthalates	IEC 62321-8 Edition 1.0 2017-03	Determination of certain substances in electrotechnical products - Part 8: Phthalates in polymers by gas chromatography-mass spectrometry (GC-MS), gas chromatography-mass spectrometry using a pyrolyzer/thermal desorption accessory (Py-TD-GC-MS)	Electrical and Electronic Equipment	2023-08-11
3	Silioxane	SHTC-CHEM-SOP-1952-T 2023-03	Determination of siloxane in organic materials of electronic products by GC-MS	Electronic products	2023-08-11

2.2 Determination of Heavy Metal using Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) for electrical and electronic equipment

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Heavy Metals	IEC 62321-4/AMD1 2017-07	Amendment 1 - Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS(Modification:here only ICP-OES)	Plastics/Polymers and Metal	2023-08-11
2	Heavy Metals	IEC 62321-5 Edition 1.0 2013-06	Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS(Modification:here only ICP-OES)	Plastics/Polymers and Metal	2023-08-11

2.3 Determination of Organic Hazardous Substances using Fourier Transform Infrared Spectrophotometer (FT-IR) for electrical and electronic equipment **

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	PVC Detection	SHTC-CHEM-SOP-115-T 2020-05	Polyvinyl Chloride (PVC) Detection in Plastic Material and Coating Material by FT-IR	Electrical and Electronic Equipment	2023-08-11

2.4 Determination of certain substances using X-ray fluorescence spectrometry for electrical and electronic equipment*

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Screening - Lead, mercury, cadmium, total chromium and total bromine	IEC 62321-3-1 2013-06	Determination of certain substances in electrotechnical products - Part 3-1: Screening - Lead, mercury, cadmium, total chromium and total bromine using X-ray fluorescence spectrometry	Electrical and Electronic Equipment	2023-08-11

2.5 Determination of heavy metal, formaldehyde using UV-VIS Spectrophotometer (UV-VIS) for electrical and electronic equipment **

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Hexavalent Chromium	ISO 3613 2021-05	Metallic and other inorganic coatings - Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zinc-aluminium alloys - Test methods	Metallic and other inorganic coatings — Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zincaluminium alloys	2023-08-11

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
2	Hexavalent Chromium	DIN EN ISO 3613 2021-05	Metallic and other inorganic coatings - Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zinc-aluminium alloys - Test methods	Metallic and other inorganic coatings — Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zincaluminium alloys	2023-08-11
3	Hexavalent Chromium	BS EN ISO 3613 2021-05	Metallic and other inorganic coatings - Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zinc-aluminium alloys - Test methods	Metallic and other inorganic coatings — Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zincaluminium alloys	2023-08-11
4	Hexavalent Chromium	IEC 62321-7-1 Edition 1.0 2015-09	Determination of certain substances in electrotechnical products - Part 7-1: Hexavalent chromium - Presence of hexavalent chromium (Cr(VI)) in colourless and coloured corrosion-protected coatings on metals by the colorimetric method	Electrical and Electronic Equipment	2023-08-11
5	Hexavalent Chromium	IEC 62321-7-2 Edition 1.0 2017-03	Determination of certain substances in electrotechnical products - Part 7-2: Hexavalent chromium - Determination of hexavalent chromium (Cr(VI)) in polymers and electronics by the colorimetric method	Electrical and Electronic Equipment	2023-08-11

2.6 Determination of certain substances using Headspace-Gas Chromatography with mass selective detectors (HS-GC-MS) for electrical and electronic equipment and their raw materials**

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	H ₂ S, SO ₂ , CS ₂ , COS	SHTC-CHEM-SOP-1523-T 2023-03	Determination of volatile sulfides in organic materials of electronic products by HS-GC-MS	Electronic products	2023-08-11

2.7 Determination of certain substances using Thermal desorption-Gas Chromatography with mass selective detectors (TDS-GC-MS) for electrical and electronic equipment and their raw materials**

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	S8	SHTC-CHEM-SOP-1749-T 2023-03	Determination of S8 in organic materials of electronic products by TDS -GC-MS	Electronic products	2023-08-11

2.8 Determination of certain substances using Ion-Chromatography (IC) for electrical and electronic equipment and their raw materials**

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	NH ₄ ⁺	SHTC-CHEM-SOP-1953-T 2023-03	Determination of ammonia in organic materials of electronic products by IC	Electronic products	2023-08-11

3 Chemical testing of automotive parts and their raw materials

3.1 Determination of heavy metal, formaldehyde using UV-VIS Spectrophotometer (UV-VIS) for automotive parts and their raw materials

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Formaldehyde	VDA 275 1994-07	Determination of formaldehyde from vehicle interior with modified flask method	Vehicle interior	2023-08-11

3.2 Determination of organic emissions using TDS-GC-MS for automotive parts and vehicle interior **

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Organic emissions	VDA 278 2016-05	Thermal desorption analysis of organic emissions for the characterization of non-metallic materials for automobiles(only applied for automotive parts and vehicle interiors)	Non-Metallic materials for automobiles	2023-08-11

3.3 Determination of Organic Hazardous Substances using Head Space Gas Chromatography with Flame Ionization Detector (HS-GC-FID) for automotive parts and vehicle interiors

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Organic emission	VDA 277 1995-01	Determination of organic emission of non-metallic materials from vehicles interior VDA 277	Non-Metallic materials from vehicles interior	2023-08-11

4 Chemical Substances in sludge

4.1 Microscale solvent extraction of sludge for chemical testing*

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	SVOCs	US EPA 3570 2002-12	Microscale solvent extraction (MSE)(Limitation: only for Sludge)	Sludge	2023-11-03

4.2 Determination of Organic Hazardous Substances with Gas Chromatography/Mass Spectrometry (GC-MS) in sludge**

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Alkyphenols and Alkyphenol polyethoxylates (n=1,2)	SHTC-CHEM-SOP-1145-T 2022-02	Determination of Alkyphenols and Alkyphenol polyethoxylates (n=1,2) with GC-MS in sludge	Sludge	2023-11-03
2	SVOCs	SHTC-CHEM-SOP-1166-T 2023-08	Determination of Semivolatile Organic Compounds (SVOCs) with Gas Chromatography/Mass Spectrometry (GC-MS) in waste water and sludge	Sludge	2023-11-03
3	Semivolatile organic compounds	US EPA 8270E 2018-06	Semivolatile organic compounds by gas chromatography/mass spectrometry	Sludge	2023-11-03

4.3 Determination of Organic Hazardous Substances with High Performance Liquid Chromatography/Tandem Mass Spectrometry (HPLC-MS/MS) in Sludge **

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Alkyphenol polyethoxylates	SHTC-CHEM-SOP-1186-T 2023-08	Determination of Alkyphenol polyethoxylates (3<=n<=18) with HPLC-MS/MS in sludge	Sludge	2023-11-03

4.4 Determination of the presence of free liquids using Paint Filter Liquids test in Sludge *

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Paint Filter Liquids	EPA 9095B 2004-11	Paint Filter Liquids test(Limitation: only for Sludge)	Sludge	2023-11-03

5 Physico-chemical and chemical testing of wastewater**5.1 Determination of Organic Hazardous Substances with Gas Chromatography/Mass Spectrometry (GC-MS) ****

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Organic Hazardous Substances	US EPA 3510C 1996-12	Separatory funnel liquid-liquid extraction	Waste water	2023-11-03
2	Semivolatile organic compounds	US EPA 8270E 2018-06	Semivolatile organic compounds by gas chromatography/mass spectrometry(Limitation: only for waste water)	Waste water	2023-11-03
3	Restricted Aromatic Amines	SHTC-CHEM-SOP-1143-T 2023-08	Determination of Restricted Aromatic Amines (Cleavable from Azo-colourants) with GC-MS in Water	Waste water	2023-11-03
4	Semivolatile Organic Compounds (SVOCs)	SHTC-CHEM-SOP-1166-T 2023-08	Determination of Semivolatile Organic Compounds (SVOCs) with Gas Chromatography/Mass Spectrometry (GC-MS) in Water , Soil and Sludge(Limitation: only for waste water)	Waste water	2023-11-03
5	organotin compounds	ISO 17353 2004-09	Water quality - Determination of selected organotin compounds — Gas chromatographic method	Waste water	2023-11-03

5.2 Determination of Organic Hazardous Substances with HPLC-MS/MS **

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Dyes(Carcinogenic or Equivalent Concern, Disperse (Allergenic) and Navy blue colourant)	SHTC-CHEM-SOP-1144-T 2023-08	Determination of Dyes(Carcinogenic or Equivalent Concern, Disperse (Allergenic) and Navy blue colourant) with HPLC-MS/MS in Waste Water	Waste water	2023-11-03
2	PFCs, BBMP	SHTC-CHEM-SOP-1184-T 2023-08	Determination of Perfluorinated and Polyfluorinated Chemicals (PFCs), Bis(2,3-dibromopropyl) Phosphate(Bis), Tris(2,3-dibromopropyl) Phosphate (Tris), 2,2-bis(bromomethyl)-1,3-propanediol (BBMP) with HPLC-MS/MS in Water, Soil, and Sludge (Limitation: only for waste water)	Waste water	2023-11-03
3	PFAS	ISO 21675 2019-10	Water quality — Determination of perfluoroalkyl and polyfluoroalkyl substances (PFAS) in water — Method using solid phase extraction and liquid chromatography-tandem mass spectrometry (LC-MS/MS)	Waste water	2023-11-03
4	Restricted Aromatic Amines, UV Absorbers and other compounds	SHTC-CHEM-SOP-1857-T 2023-08	Determination of Restricted Aromatic Amines, UV Absorbers and other compounds with HPLC-MS/MS in Water	Waste water	2023-11-03

5.3 Determination of Organic Hazardous Substances with GC-NCI/MS

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	Dyes(Carcinogenic or Equivalent Concern, Disperse (Allergenic) and Navy blue colourant)	SHTC-CHEM-SOP-1185-T 2023-08	Determination of Chlorinated paraffins (Short Chain Chlorinated Paraffin (C10-13) and Medium Chain Chlorinated Paraffin (C14-17)) with GC-NCI/MS in Water and Sludge(Limitation: only for waste water)	Waste water	2023-11-03
2	SCCP	ISO 12010 2019-03	Water quality — Determination of short-chain polychlorinated alkanes (SCCP) in water — Method using gas chromatography-mass spectrometry (GC-MS) and negative-ion chemical ionization (NCI)	Waste water	2023-11-03

5.4 Determination of Organic Hazardous Substances with Gas Chromatography (GC-FID)

No. 序号	Test Items/Parameters 测试项目/参数	Test Methods 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新日期
1	DMFa and Glycol ethers	SHTC-CHEM-SOP-1856-T 2023-08	Determination of DMFa and Glycol ethers with Gas Chromatography in waste water(Limitation: only for waste water)	Waste water	2023-11-03
2	Nonhalogenated Organics	US EPA 8015C 2007-02	Nonhalogenated Organics By Gas Chromatography	Waste water	2023-11-03

备注Remark:

1. 自DAkKS最新认可范围后，表格中任何新增部分用蓝字字体表示；任何删除部分用横杠表示。

It should use blue font to show the new contents and use whippetree to show deleted contents in the record after the DAkKS latest scope.

2. 在标记为*/**的指定测试领域内，实验室被允许可在不通知DAkkS并获得DAkkS事先批准的情况下做如下改动：

Within the given testing field marked with */**, the testing laboratory is permitted without being required to inform and obtain prior approval from DAkkS:

*类型 I:在特定测试领域内自由选择标准化方法或等同/相似的方法；

*Category I: The free choice of standard methods or equivalent/similar methods within a defined testing field.

**类型 II:在特定测试领域内，对测试方法进行修订、改良及拓展；

**Category II: The modification, refinement and development of test methods within a defined testing field.

未标记及标记为***类型 III:应用具有不同发布日期标准/校准规则的标准化方法/标准化校准程序。

No mark and ***Category III: Application of standard test methods/standard calibration procedures with different issue dates of the standards/calibration rules.

Prepared By: Smile Liu Date: Sep.03,2024

Checked By: Laura Yan Date: Sep.03,2024