D-PL-11159-01-00 DAkkS accreditation method within Flexible Scope List

D-PL-11159-01-00 DAkkS 弹性认可范围测试方法清单

1. Physical, physico-chemical and chemical analysis of consumer goods

1.1 Sample preparation of consumer goods

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Heavy Metals (Lead and Cadmium)	EPA 3050B 1996-12	Acid digestion of sediments, sludges, and soils (Modification: *here for the determination of lead and cadmium in consumer goods made of metal; digestion procedure changed*)	Metal	2025.01.09
2	Heavy Metals	EPA 3052 1996-12	Microwave assisted acid digestion of siliceous and organically based matrices (Modification: *here for consumer goods*)	Consumer goods	2025.01.09
3	Migration of PAHs Migration of Phthalates Soluble Heavy Metal	EN 13130-1 2004-05	Materials and articles in contact with foodstuffs - Plastics substances subject to limitation - Part 1: Guide to test methods for the specific migration of substances from plastics to foods and food simulants and the determination of substances in plastics and the selection of conditions of exposure to food simulants	Plastic	2025.01.09

1.2 Determination of ingredients and organic contaminants in consumer goods using gas chromatography with mass selective detectors (GC-MS/GC-MS-MS) **

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Phthalate	ISO 8124-6 2023-08	Safety of toys - Part 6: Certain phthalate esters	Toy's and children's products	2025.01.09

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
2	AZO dyes	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 fibers (restriction: *here only for consumer goods made of textiles*)	Textile	2025.01.09
3	AZO dyes	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 (restriction: *here only for consumer goods made of textiles*)	Textile	2025.01.09
4	Phthalate	ISO 14389 2022-10	Textiles - Determination of the phthalate content – Tetrahydrofuran method (restriction: *here only for consumer goods made of textiles*)	Textile	2025.01.09
5	Trichlorophenol (TCP), Tetrachlorophenol (TECP), Pentachlorophenol (PCP)	ISO 17070 2015-02	Leather - Chemical tests - Determination of tetrachlorophenoltrichlorophenol-, dichlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol content (Modification: *Applied for Trichlorophenol (TCP), Tetrachlorophenol (TECP), Pentachlorophenol (PCP) analysis；here only for consumer goods made of leather)*)	Leather	2025.01.09
6	AZO dyes	ISO 17234-1 ~~2020-08~~ 2024-12	Leather - Chemical tests for the determination of certain azo colourants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colourants (restriction: *here only for consumer goods made of leather*)	Leather	~~2025.01.09~~ 2025.05.26
7	AZO dyes	ISO 17234-2 2011-03	Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 2: Determination of 4-aminoazobenzene (restriction: *here only for consumer goods made of leather*)	Leather	2025.01.09

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
8	Organotin	ISO 17353 2004-09	Water quality - Determination of selected organotin compounds – Gas chromatographic method (Modifications: *here for consumer goods; extraction by ultrasonic extraction with ethanoic carbamate solution*)	*Consumer goods*	2025.01.09
9	Organotin	~~ISO/TS 16179~~ ISO 16179 ~~2012-08~~ 2025-03	Footwear - Critical substances potentially present in footwear and footwear components - Determination of organotin compounds in footwear materials (Restriction: *here only for footwear parts as a consumer goods*)	Footwear material	~~2025.01.09~~ 2025.06.30
10	Phthalate	ISO 16181-1 2021-03	Footwear - Critical substances potentially present in footwear and footwear components Part 1: Determination of phthalate with solvent extraction (Restriction: *here only for footwear parts as a consumer goods*)	Footwear material	2025.01.09
11	Phthalate	EN 14372 2004-08	Child use and care articles - Cutlery and feeding utensils – Safety requirements and tests (Restriction: *here only section 6.3.2 Determination of phthalate content*)	Child use and care articles	2025.01.09
12	AZO dyes	BVL B 82.02-2 2017-12	Investigation of consumer goods - Methods for determination of certain aromatic amines derived from azo colorants in textiles - Part 1: Detection of the use of certain azo dyes with and without extraction of the fibre	Textile	2025.01.09
13	AZO dyes	BVL B 82.02-3 2021-04	Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colorants (*adoption of the homonymous DIN EN ISO 17234-1 standard, issue of December 2020*)	Leather	2025.01.09

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
14	Pentachlorphenol (PCP)	BVL B 82.02-8 2001-06	Investigation of commodity products - Detection and determination of Pentachlorophenol in commodity products especially those made of leather and textile (Reference method)	Leather, textile	2025.01.09
15	AZO dyes	BVL B 82.02-15 2017-12	Examination of consumer goods - Certain aromatic amines derived from azo dyes in textiles. - Part 3: Evidence of the use of certain azo dyes:4-aminoazobenzene can be released (*adoption of the homonymous Standard DIN EN ISO 14362-3, May 2017*)	Textile	2025.01.09
16	Polycyclic Aromatic Hydrocarbons (PAH)	AfPS GS 2019:01 PAK 2020-04	Testing and assessment of Polycyclic Aromatic Hydrocarbons (PAHs) in the awarding of GS Marks (Restriction: *here only for consumer goods; only testing for PAHs, no risk assessment, categorisation and evaluation*)	Consumer goods	2025.01.09
17	Total residual styrene monomer content	FDA 21 CFR 177.1640 2011-04	Polystyrene and rubber-modified polystyrene (Restriction: *here only for consumer goods made of polystyrene; here for the determination of residual styrene monomer*)	Polystyrene	2025.01.09
18	Volatile Organic Compound (VOC)	EPA 5021A 2014-07	Volatile organic compounds in various sample matrices using equilibrium headspace analysis (Modification: *here for consumer goods*)	Consumer goods	2025.01.09
19	Polychlorinated biphenyls (PCBs)	EPA 8082A 2007-02	Polychlorinated biphenyls (PCBs) by gas chromatography *(*Modification: *here for consumer goods, here only with GC-MS)*	Consumer goods	2025.01.09
20	polyaromatic hydrocarbons (PAHs)	EPA 8270E 2018-06	Semivolatile organic compounds by gas chromatography/mass spectrometry (Modification: *here for the analysis of polyaromatic hydrocarbons (PAHs) in consumer goods*)	Consumer goods	2025.01.09

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
21	~~Extractable CPs/DCPs/TCPs /TeCPs/ PCP/OPP~~	~~SGS-CCL-TOP-021-02 2024-01~~	~~Determination of the Content of extractable CPs/DCPs/TCPs /TeCPs/ PCP/OPP etc. in textiles, leather material by KOH extraction/ GC-MS analysis~~	~~Textiles, leather~~	~~2025.01.09~~
22	Tetrabromobisphenol A (TBBPA)	GZTC CHEM-TOP-065 2023-03	Determination of Tetrabromobisphenol A (TBBPA) by GC-MS and HPLC-MSMS in textile, leather, plastic, liquid, powder samples (Restriction: *here only for consumer goods, here only with GC-MS*)	Consumer goods	2025.01.09
23	Dimethyl fumarate (DMF)	SGS-CCL-TOP-095 2023-12	Determination of Dimethyl fumarate (DMF) in leather, textile, paper and desiccant by GC-MS (Restriction: *here only for consumer goods*)	Consumer goods	2025.01.09
24	Substances of Very High Concern (SVHC)	SGS-CCL-TOP-092-02 ~~2024-03~~ 2025-08	Determination of Substances of Very High Concern (SVHC) in Finished Products and Raw Materials - Organic Substance Part by GC-MS & LC-DAD/MS /LC-MSMS (Restriction: *here only for consumer goods; here only with GC-MS*)	Consumer goods	~~2025.01.09~~ 2025.08.12
25	TSCA	SGS-CCL-TOP-149-07 ~~2021-04~~ 2025-07	Determination of prohibited substance contained in TSCA in polymer, liquid, powder by GC-MS (Restriction: *here only for consumer goods)*	Consumer goods	~~2025.01.09~~ 2025.07.01

1.3 Determination of organic contaminants in consumer goods using gas chromatography with conventional detectors (ECD-, FID-Detector) *

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Trichlorophenol (TCP), Tetrachlorophenol (TECP), Pentachlorophenol (PCP)	ISO 17070 2015-02	Leather - Chemical tests - Determination of tetrachlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol content (Restriction: *here only for Trichlorophenol (TCP), Tetrachlorophenol(TECP), Pentachlorophenol (PCP) analysis; here only for consumer goods made of leather*)	Leather	2025.01.09
2	Pentachlorphenol (PCP)	BVL B 82.02-8 2001-06	Investigation of commodity products - Detection and determination of Pentachlorophenol in commodity products especially those made of leather and textile (Reference method)	Leather, textile	2025.01.09
3	Polychlorinated Biphenyls (PCB)	EPA 8082A 2007-02	Polychlorinated biphenyls (PCBs) by gas chromatography (Modification: *Applied for PCBs analysis in textiles, plastic*) Modification: *here for consumer goods, here only with GC with conventional detectors*)	Textiles, plastic	2025.01.09

1.4 Determination of ingredients and organic contaminants in consumer goods using high performance liquid chromatography mass spectrometer detector (LC-MS/LC-MS-MS) **

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	AZO dyes	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 (Restriction: *here only for consumer goods made of textiles*)	Textiles	2025.01.09
2	AZO dyes	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 (Restriction: *here only for consumer goods made of*	Textiles	2025.01.09

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
			textiles)		
3	Nitrosamine and Nitrosatable	EN 1400+A2 2018-09	Child use and care articles - Soothers for babies and young children - Safety requirements and test methods (Restriction: here only for the determination of Nitrosamines and N-*nitrosatable substances*)	Child use and care articles	2025.01.09
4	Nitrosamine and Nitrosatable	EN 14350+A1 2023-08	Childcare articles - Drinking equipment - Safety requirements and test methods (Modification: *Here for the determination of Nitrosamine and N-nitrosatable and volatile substances in toys*)	Childcare articles	2025.01.09
5	*Carcinogenic dyestuffs, Allergenic disperse dyestuffs and Navy Blue colorants*	DIN 54231 2022-09	Textiles - Determination of dyes after methanol extraction (Restriction: *here only for Navy Blue colorants in consumer goods made of textiles*)	Textiles	2025.01.09
6	Bisphenol A (BPA)	CEN/TS 13130-13 2005-02	Materials and articles in contact with foodstuffs - Plastics substances subject to limitation - Part 13: Determination of 2,2-bis (4-hydroxyphenyl) propane (Bisphenol A) in food stimulants	Plastic	2025.01.09
7	AZO dyes	BVL B 82.02-2 2017-12	Investigation of consumer goods - Methods for determination of certain aromatic amines derived from azo colorants in textiles - Part 1: Detection of the use of certain azo dyes with and without extraction of the fibre	Textiles	2025.01.09
8	Tetrabromobisphenol A (TBBPA)	GZTC CHEM-TOP-065 2023-03	Determination of Tetrabromobisphenol A (TBBPA) by GC-MS and HPLC-MSMS in textile, leather, plastic, liquid, powder samples (Restriction: *here only for consumer goods, here only with LC)*	Consumer goods	2025.01.09
9	Substances of Very High Concern (SVHC)	SGS-CCL-TOP-092-02 ~~2024-03~~ 2025-08	Determination of Substances of Very High Concern (SVHC) in Finished Products and Raw Materials - Organic Substance Part by GC-MS & LC-DAD/MS/LC-MSMS (Restriction: *here only for consumer goods; here only with LC*)	Consumer goods	~~2025.01.09~~ 2025.08.12

1.5 Determination of ingredients and organic contaminants in consumer goods made of textiles and leather using high performance liquid chromatography with conventional detector (DAD-Detector) *

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Chromium (VI)	ISO 17075-2 2017-02	Leather - Chemical determination of chromium (VI) content in leather -Part 2: Chromatographic method (Restriction: *here only for consumer goods made of leather; here only with HPLC-DAD*)	Leather	2025.01.09
2	Formaldehyde	ISO 17226-1 2021-02	Leather - Chemical determination of formaldehyde content - Part 1: Method using high-performance liquid chromatography (Restriction: *here only for consumer goods made of leather*)	Leather	2025.01.09
3	AZO dyes	BVL B 82.02-3 2021-04	Leather - Chemical tests for the determination of certain azo colourants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colourants (adoption of the homonymous DIN EN ISO 17234-1 standard, issue of December 2020)	Leather	2025.01.09
4	AZO dyes	BVL B 82.02-15 2017-12	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 (Restriction: *here only for consumer goods made of textiles*)	Textiles	2025.01.09

1.6 Determination of elements in consumer goods using inductive-coupled plasma atomic emission spectrometry with conventional detector (ICP-OES) **

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Migration of certain elements	ISO 8124-3:2020+Amd 1 2023-03	Safety of toys - Part 3: Migration of certain elements	Toys	2025.01.09
2	Total metal content	ISO 17072-2 2022-08	Leather - Chemical determination of metal content - Part 2: Total metal content (Restriction: *here only for consumer goods made of leather*)	Leather	2025.01.09
3	Migration of certain elements	EN 71-3 + ~~A1~~A2 ~~2021-04~~ 2024-04	Safety of toys - Part 3: Migration of certain elements	Toys	2025.01.09
4	Nickel release	EN 1811 2023-03	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	2025.01.09
5	Nickel release	EN 12472 2020-09	Method for the simulation of accelerated wear and corrosion for the detection of nickel release from coated items (Restriction: *here only for consumer goods*)	Metal	2025.01.09
6	Migration of certain elements	EN 14350+A1 2023-08	Childcare articles - Drinking equipment - Safety requirements and test methods (Restriction: *here only for the determination of the migration of elements*)	Childcare articles	2025.01.09
7	Migration of certain elements	EN 14372 2004-08	Child use and care articles - Cutlery and feeding utensils – Safety requirements and tests (Restriction: *here only for the determination of the migration of elements*)	Child use and care articles	2025.01.09
8	Leachable heavy metal	Health Canada, Product Safety Bureau, Test method	Determination of Leachable Arsenic (As), Selenium (Se), Cadmium (Cd), Antimony (Sb), and Barium (Ba) in Applied Coatings (Restriction: *here only for consumer goods*)	Applied Coating	2025.01.09

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
		C-03 2022-01			
9	Heavy metal	ASTM F963 2023-08	Standard Consumer Safety Specification for Toy Safety - Clause 4.3.5 (Modification: *here for heavy metals and lead in paints and coatings for consumer goods*)	Toy product	2025.01.09
10	Leachable heavy metal	Italian D.M. 21/03/1973 and its amendments 1973-3-21	Hygienic regulation of packaging, containers, tools intended to come into contact with food substances or substances for personal use (Restriction: *here only for heavy metals in consumer goods; here with ICP-OES*)	Food contact material	2025.01.09
11	SVHC-Inorganic	SGS-CCL-TOP-092-01 ~~2023-10~~ 2024-08	Determination of SVHC in finished products and raw materials by ICP-OES -Inorganic parts (Restriction: *here only for consumer goods*)	Consumer goods	2025.01.09
12	Chemical composition	SGS-CCL-TOP-044-28 ~~2023-10~~ 2025-06	Composition analysis of stainless steel in contact with food by ICP-OES	Stainless steel	~~2025.01.09~~ 2025.06.06

1.7 Determination of elements in consumer goods using atomic absorption spectrometry (AAS) *

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Cadmium	EN 1122 2001-03	Plastics - Determination of cadmium - Wet decomposition method (Restriction: *here only for consumer goods made of plastics; here only Method B*)	Plastic	2025.01.09
2	Leachable heavy metal (Pb, Cd)	EN 1388-1 1995-10	Silicate surfaces Part 1: Determination of the release of lead and cadmium from ceramic ware (Restriction: *here only for consumer goods made of*	Ceramic articles, ceramic ware, food contacted material	2025.01.09

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
			ceramic)		
3	Leachable heavy metal (Pb, Cd)	EN 1388-2 1995-10	Silicate surfaces Part 2: Determination of the release of lead and cadmium from silicate surfaces other than ceramic ware (Restriction: *here only for consumer goods made of ~~ceramic~~ glass, enamel and drinking rim of ceramic/glass/enamel articles*)	~~Glassware, enamel, glass, food contacted material~~ Glass, enamel and drinking rim of ceramic/glass/enamel articles	~~2025.01.09~~ 2025.08.02
4	Pb	NIOSH 9100 1996-05	Lead in Surface Wipe Samples (Restriction: *here only for consumer goods, here with AAS*)	~~Bags, plastic, sealable~~ Food contacted material	2025.01.09
5	Leachable heavy metal	Italian D.M. 21/03/1973 and its amendments 1973-3-21	Hygienic regulation of packaging, containers, tools intended to come into contact with food substances or substances for personal use ((Restriction: *here only for heavy metals in consumer goods; here with AAS*)	Food contact material	2025.01.09

1.8 Determination of elements in consumer goods using inductively-couple plasma mass spectrometry **

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Extractable metals	ISO 17072-1 2019-02	Leather - Chemical determination of metal content - Part 1: Extractable metals (Restriction: *here only for consumer goods made of leather*)	Leather	2025.01.09
2	Migration of certain elements	EN 71-3 + ~~A1~~A2 ~~2021-04~~ 2024-12	Safety of toys - Part 3: Migration of certain elements	Toys	2025.01.09
3	Total heavy metals	EN 14602 2012-08	Footwear - Test methods for the assessment of ecological criteria (Here: *4.1 - Determination of total heavy metals content*)	Footwear	2025.01.09

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
			(Restriction: *here only for the determination of the total heavy metal content in footwear parts as a consumer good*)		
4	Pb	NIOSH 9100 1996-05	Lead in Surface Wipe Samples (Restriction: *here only for consumer goods, here with ICP-MS*)	Consumer goods	2025.01.09
5	Leachable heavy metal	Italian D.M. 21/03/1973 and its amendments 1973-3-21	Hygienic regulation of packaging, containers, tools intended to come into contact with food substances or substances for personal use (Restriction: *here only for heavy metals in consumer goods; here with ICP-MS*	Food contact material	2025.01.09
6	Extractable heavy metal	SGS-CCL-TOP-043-01 ~~2023-10~~ 2024-11	Determination of extractable heavy metal in textile by ICP-MS (Restriction: *here only for consumer goods made of textiles*)	Textile	2025.01.09
7	Migration of heavy metal	SGS-CCL-TOP-044-02 ~~2023-10~~ 2024-11	Determination of heavy metals in metals and alloys in contact with food by ICP-MS	Metal and alloy in contact with food	2025.01.09

1.9 Determination of heavy metals in coating using hg analyzer

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Total Mercury	Health Canada, Product Safety Bureau, Test method C-07 2023-07	Determination of Total Mercury in Surface Coating Materials, Applied Coatings and Cosmetic Samples by Direct Mercury Analyzer Wide Range (DMA 80 WR) (Restriction: *here only for coatings for consumer products*)	Coatings for consumer products	2025.01.09

1.10 Determination of chemical substance in textile, leather, rubber, plastic, metal, toys, food contact material using UV-VIS spectrophotometer *

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Formaldehyde	ISO 14184-1 2011-08	Textiles - Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method) (Restriction: *here only for consumer goods made of textiles*)	Textile	2025.01.09
2	Released formaldehyde	ISO 14184-2 2011-08	Textiles - Determination of formaldehyde - Part 2: Released formaldehyde (vapour absorption method) (Restriction: *here only for consumer goods made of textiles*)	Textile	2025.01.09
3	Chromium (VI)	ISO 17075-1 2017-02	Leather - Chemical determination of chromium (VI) content in leather - Part 1: Colorimetric method (Restriction: *here only for consumer goods made of leather*)	Leather	2025.01.09
4	Formaldehyde	ISO 17226-2 2018-12	Leather - Chemical determination of formaldehyde content - Part 2: Method using colorimetric analysis (Restriction: *here only for consumer goods made of leather*)	Leather	2025.01.09

1.11 Determination of halogen and sulfur in consumer using ion chromatography

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Halogen	EN 14582 2016-08	Characterization of waste - Halogen and sulfur content – Oxygen combustion in closed systems and determination methods (Modification: here for consumer goods)	Consumer goods	2025.01.09

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
2	Halogen	BS EN 14582 2016-08	Characterization of waste - Halogen and sulfur content – Oxygen combustion in closed systems and determination methods (Modification: here for consumer goods)	Consumer goods	2025.01.09

1.12 Determination of PVC qualitative in textiles, leather, coating, plastic using infrared spectra **

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	PVC qualitative	ASTM E1252-98 2021-04	Standard Practice for General Techniques for Obtaining Infrared Spectra for Qualitative Analysis (*Modification: here for consumer goods*)	Consumer goods	2025.01.09
2	PVC qualitative	SGS-CCL-TOP-066-01 2022-04	Detection of Polyvinyl Chloride (PVC) in textiles, leather, coating, plastic using infrared spectra (*Modification: here for consumer goods*)	Consumer goods	2025.01.09

1.13 Determination of overall migration in food contact material using gravimetric analysis *

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Overall Migration	EN 1186-1 2002-04	Materials and articles in contact with foodstuffs - Plastics - Part 1: Guide to the selection of conditions and test methods for overall migration	Plastics	2025.01.09

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
2	Overall Migration	EN 1186-2 2022-07	Materials and articles in contact with foodstuffs - Plastics - Part 2: Test methods for overall migration in vegetable oils	Plastics	2025.01.09
3	Overall Migration	EN 1186-3 2022-08	Materials and articles in contact with foodstuffs - Plastics - Part 3: Test methods for overall migration in evaporable simulants	Plastics	2025.01.09
4	Overall Migration	FDA 21 CFR 177.1210 2011-04	Closures with sealing gaskets for food containers (Modification: *here for the determination of the overall migragtion of food contact materials*)	Closures with sealing gaskets for food containers	2025.01.09
5	Overall Migration	FDA 21 CFR 177.1350 2011-04	Ethylene-vinyl acetate copolymers (Modification: *here for the determination of the overall migragtion of food contact materials*)	Ethylene-vinyl acetate copolymers	2025.01.09
6	Overall Migration	FDA 21 CFR 177.1630 2011-04	Polyethylene phthalate polymers (Modification: *here for the determination of the overall migragtion of food contact materials*)	Polyethylene phthalate polymers	2025.01.09

1.14 Physico-chemical testing in textiles, leather, rubber, plastic, toy, food contact material

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	pH	ISO 3071 2020-01	Textile - Determination of pH of aqueous extract (Restriction: *here only for consumer goods made of textiles*)	Textile	2025.01.09
2	pH	ISO 4045 2018-05	Leather-Chemical tests -Determination of pH and difference figure (Restriction: *here only for consumer goods made of ~~textiles~~ Leather*)	Leather	2025.01.09

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
3	Volatile Compounds	EN 14350+A1 2023-08	Childcare articles - Drinking equipment - Safety requirements and test methods (Restriction: *here only for the determination of volatile compounds*)	Childcare articles	2025.01.09
4	Volatile Organic Matter	French Arrêté du ~~25~~ 1992 Annex III	Volatile Organic Matter of silicone rubber (Restriction: *here only for food contact materials made of silicone rubber*)	Silicone rubber	2025.01.09

2 Testing of odour and flavor in food contact materials using simple descriptive tests

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Sensory test	EN 1230-2 2009-11	Paper and board intended to come into contact with foodstuffs – Sensory analysis – Part 2: Off-flavour (taint)	Paper and board	2025.01.09
2	Sensory test	DIN 10955 2024-01	Sensory analysis – Testing of food contact materials and articles (FCM)	Food contact materials and articles	2025.01.09

3 Physical, physical-chemical and chemical analysis of food

3.1 Determination of pesticide residues of plant origin using gas chromatography mass spectrometer detector (GC-MS) and liquid chromatography-tandem mass spectrometer detector (LC-MS/MS)

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Pesticide residues	EN 15662 2018-05	Foods of plant origin - Multimethod for the determination of pesticide residues using GC- and LC-based analysis following acetonitrile extraction/partitioning and clean-up by dispersive SPE – Modular QuEChERS-method (Restriction: *here only for food with: 1. High water content, 2. High acid content and high-water content, 3. Tea, 4. Cereals*)	1. High water content, 2. High acid content and high-water content, 3. Tea, 4. Cereals	2025.01.09
2	Pesticide residues	BS EN 15662 2018-05	Foods of plant origin - Multimethod for the determination of pesticide residues using GC- and LC-based analysis following acetonitrile extraction/partitioning and clean-up by dispersive SPE – Modular QuEChERS-method (Restriction: *here only for food with: 1. High water content, 2. High acid content and high-water content, 3. Tea, 4. Cereals*)	1. High water content, 2. High acid content and high-water content, 3. Tea, 4. Cereals	2025.01.09

3.2 Determination of fat compounds in foods using gas chromatography with conventional detector (GC-FID) and gas chromatography with mass selective detectors (GC-MS)

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Fat	AOAC 996.06 2001	Fat (Total, Saturated, and Unsaturated) in Foods Hydrolytic Extraction Gas Chromatographic Method	Foods	2025.01.09

4 Emission testing of commodities and specific consumer products

4.1 Determination of organic hazardous substances in materials used for automotive parts using gas chromatography with mass selective detectors (GC-MS/GC-MS-MS)

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Organic Emission	VDA 277 1995-01	Determination of organic emission of non-metallic materials from vehicle interior	Vehicle interior	2025.01.09
2	Organic Emissions	VDA 278 2016-05	Thermal Desorption Analysis of Organic Emissions for the Characterization of Non-Metallic Materials for Automobiles	Vehicle interior	2025.01.09

4.2 Determination of organic hazardous substances in materials used for automotive parts using gas chromatography with conventional detectors (ECD-, FID-Detector)

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Organic Emission	VDA 277 1995-01	Determination of Organic Emission of Non-metallic materials from vehicle Interior	Vehicle interior	2025.01.09

4.3 Determination of formaldehyde in materials used for automotive parts using UV-VIS spectrophotometer [Flex B]

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Formaldehyde	VDA 275 1994-07	Determination of Formaldehyde from Vehicle Interior with Modified Flask method	Vehicle interior	2025.01.09
2	Formaldehyde	VW PV 3925 2021-01	Polymer Materials-Determination of Formaldehyde Emission Measurement by a Modified Bottle Method	Vehicle interior	2025.01.09

5 Testing of odour and flavor in vehicle interior and automotive parts using simple descriptive tests

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Odour	VDA 270 2022-05	Determination of the odour characteristics of trim material in motor vehicles	Vehicle interior	2025.01.09

6. Chemical and physical-chemical testing of electrical and electronic equipment products and chemical products.

6.1 Determination of organic hazardous substances in electrical and electronic equipment products and chemical products using gas chromatography with mass selective detector (GCMS/GC-MS-MS) [Flex C]

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Polybrominated Biphenyl (PBB), Polybrominated Diphenyl Ether (PBDE)	IEC 62321-6 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)	Electrical and electronic equipment products and chemical products	2025.01.09
2	Substances of Very High Concern (SVHC)	SGS-CCL-TOP-092-02 ~~2024-03~~ 2025-08	Determination of Substances of Very High Concern (SVHC) in Finished Products and Raw Materials - Organic Substance Part by GC-MS & LC-DAD/MS /LC-MSMS (Modification: Applied for plastic, rubber, leather, textile, metal, electronic components, glass, powder, paints, inks, dyes and their products)	Electrical and electronic equipment products and chemical products	~~2025.01.09~~ 2025.08.12
3	TSCA	SGS-CCL-TOP-149-07 2021-04 2025-07	Determination of prohibited substance contained in TSCA in electronic products by GC-MS	Electrical and electronic equipment products and chemical products	~~2025.01.09~~ 2025.07.01
4	Phthalates	IEC 62321-8 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	Electrical and electronic equipment products and chemical products	2025.01.09

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
			using a pyrolyzer/thermal desorption accessory (Py/TD-GC-MS)		
5	Hexabromocyclododecane	IEC 62321-9 2021-08	Determination of certain substances in electrotechnical products – Part 9: Hexabromocyclododecane in polymers by gas chromatography-mass spectrometry (GC-MS)	Electrical and electronic equipment products and chemical products	2025.01.09
6	Polycyclic aromatic hydrocarbons (PAHs)	IEC 62321-10 2020-06	Determination of certain substances in electrotechnical products – Part 10: Polycyclic aromatic hydrocarbons (PAHs) in polymers and electronics by gas chromatography-mass spectrometry (GC-MS)	Electrical and electronic equipment products and chemical products	2025.01.09
7	MRSL substances	SGS-CCL-TOP-092-06 ~~2023-10~~ 2025-07	Chemical screening test method for MRSL substances in various chemical formulations with GC-MS, HPLC-DAD/MS (Here: *Applied only for solvents, cleaners, adhesives, paints, Inks, dyes, pigments, auxiliaries and pre-treatment agents*)	Various chemical formulations	~~2025.01.09~~ 2025.07.22

6.2 Determination of organic hazardous substances in and electronic equipment products and chemical products using high performance liquid chromatography mass spectrometer detector (LC-MS/LC-MS-MS) [Flex C]

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Substances of Very High Concern (SVHC)	SGS-CCL-TOP-092-02 ~~2024-03~~ 2025-08	Determination of Substances of Very High Concern (SVHC) in Finished Products and Raw Materials - Organic Substance Part by GC-MS & LC-DAD/MS /LC-MSMS (Modification: Applied for plastic, rubber, leather, textile, metal, electronic components, glass, powder, paints, inks, dyes and their products)	Electrical and electronic equipment products and chemical products	~~2025.01.09~~ 2025.08.12

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
2	MRSL substances	SGS-CCL-TOP-092-06 ~~2023-10~~ 2025-07	Chemical screening test method for MRSL substances in various chemical formulations with GC-MS, HPLC-DAD/MS (Here: *Applied only for solvents, cleaners, adhesives, paints, Inks, dyes, pigments, auxiliaries and pre-treatment agents*)	Various chemical formulations	~~2025.01.09~~ 2025.07.22

6.3 Determination of heavy metals in electrical and electronic equipment products using inductive-coupled plasma atomic emission spectrometry with conventional detector (ICP-OES) [Flex C]

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Heavy metal(Hg)	IEC 62321-4+AMD1 2017-07	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	Electrical and electronic equipment products	2025.01.09
2	Heavy metal(Cd, Pb, Cr)	IEC 62321-5 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	Electrical and electronic equipment products	2025.01.09
3	Substances of Very High Concern (SVHC)	SGS-CCL-TOP-092-01 ~~2023-10~~ 2024-08	Determination of SVHC in finished products and raw materials by ICP-OES - Inorganic parts (Modification: Applied for plastic, rubber, leather, textile, metal, electronic components, glass, powder, paints, inks, dyes and their products)	Electrical and electronic equipment products	2025.01.09
4	MRSL substances	SGS-CCL-TOP-092-05 2023-10	Chemical screening test method for MRSL substances in various chemical formulations with ICP-OES (Here: *Applied only for solvents, cleaners, adhesives, paints, Inks, dyes, pigments, auxiliaries and pre-treatment agents*)	Various chemical formulations	2025.01.09

6.4 Determination of heavy metals in electrical and electronic equipment products using atomic absorption spectrometry (AAS) [Flex B]

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Heavy metal(Cd, Pb, Cr)	IEC 62321-5 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	Electrical and electronic equipment products and chemical products	2025.01.09

6.5 Determination of chemical substance in electrical and electronic equipment products using UV-VIS spectrophotometer [Flex B]

No. 序号	Test Items/Parameters 测试项目/参数	Test Method 测试方法	Standard name 标准名称	Matrix 基质	Update Date 更新时间
1	Chromium (VI)	IEC 62321-7-1 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 (Here: *Metallic and other inorganic coatings - Chromate conversion*)	Metallic and other inorganic coatings	2025.01.09
2	Chromium (VI)	IEC 62321-7-2 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	Electronic products	2025.01.09

备注Remark：

1. 自DAkkS最近一次现场评审后，表格中任何新增部分用蓝字表示；任何删除部分用横杠表示。

It should use blue font to show the new contents and use whippletree to show deleted contents in the record after the DAkkS assessment last time.

2. 在标记为*/**/Flex B/Flex C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.

*/Flex B 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。

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

**/Flex C 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。

**/Flex C Category II: The modification, refinement and development of test methods within a defined testing filed.

未标记: 应用具有不同发布日期的标准/校准规则的标准化方法/标准化校准程序。

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