

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-11158-01-00 according to ISO/IEC 17025:2017

Period of validity: 03.06.2020 to 30.01.2022

Date of issue: 15.06.2020

Holder of certificate:

SGS Hong Kong Limited
1/F UNITS 16-29 3/F 4/F & 5/F, On Wui Centre 25 Lok Yip Road,
Fanling, New Territories, HONG KONG

Tests in the fields:

chemical and physical-chemical testing of textiles, leather and leather goods, toys, rubber, plastics, food containers, fashion jewellery, automotive parts, chemical formulations - solvents, cleaners, adhesives, paints, inks, dyes, pigments, auxiliaries and pretreatment agents, electrical and electronic equipment as well as articles coming into contact with skin;
determination of the emission of volatile organic compounds (VOCs) and formaldehyde from textiles, leather products, toys, wood, electrical and electronic equipment and automotive parts;
selected chemical tests for foodstuff

Within the given testing field marked with *, the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, the following: the free choice of standard or equivalent testing methods.

Within the given testing field marked with **, the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, the following: the modification, development and refinement of testing methods.

The listed testing methods are exemplary.

The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standard or equivalent testing methods with different issue dates.

The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

Abbreviations used: see last page

1 Chemical and Physical-Chemical Testing of Consumer Products

1.1 Organic Hazardous Substances in Plastics/Polymers, Coating, Textile, Leather, Silica, Rubber and Ink using Gas Chromatography Mass Spectrometer Detector (GC-MS) **

ISO 8124-6 2018-11	Safety of toys – Part 6: Certain phthalates esters in toys and children’s products (Method A & C)
ISO 14389 2014-05	Textiles - Determination of phthalate content - Tetrahydrofuran method
ISO 17070 2015-02	Leather - Chemical tests - Determination of Pentachlorophenol content
ISO 17353 2004-09	Water quality - determination of selected organotin compounds -gas chromatographic method (Modifications: <i>1) Only applied for textiles, leather, plastics and ink - 2) Extraction by ultrasonic extraction with ethanoic carbamate solution</i>)
ISO 17881-1 2016-02	Textiles – Determination of Certain Flame Retardants – Part 1: Brominated Flame Retardants
ISO/TS 16179 2012-08	Footwear - Critical substances potentially present in footwear and footwear components - Determination of organotin compounds in footwear materials
EN 14372 2004-08	Child use and care articles - Cutlery and feeding utensils - Safety requirements and tests (Section 6.3.2 Determination of phthalate content)
DIN EN ISO 17070 2015-05	Leather - Chemical tests - Determination of Pentachlorophenol content
DIN EN ISO 17353 2005-11	Water quality - determination of selected organotin compounds -gas chromatographic method (Modifications: <i>1) Only applied for textiles, leather, plastics and ink - 2) Extraction by ultrasonic extraction with ethanoic carbamate solution</i>)
DIN EN 14372 2004-11	Child use and care articles - Cutlery and feeding utensils - Safety requirements and tests (Section 6.3.2 Determination of phthalate content)
BS EN ISO 17070 2015-02	Leather - Chemical tests - Determination of Pentachlorophenol content

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BS EN ISO 17353 2004-09	Water quality - determination of selected organotin compounds -gas chromatographic method (Modifications: 1) <i>Only applied for textiles, leather, plastics and ink - 2) Extraction by ultrasonic extraction with ethanoic carbamate solution</i>)
BS EN 14372 2006-08	Child use and care articles - Cutlery and feeding utensils - Safety requirements and tests (Section 6.3.2 Determination of phthalate content)
AfPS GS 2014:01 PAK 2014-08	Product Safety Commission (AfPS) GS Specification: Testing and assessment of polycyclic aromatic hydrocarbons (PAHs) in the course of awarding the GS mark- Specification pursuant to article 21(1) no. 3 of the Product Safety Act (ProdSG)
ASU B 82.02-8 2001-06	Determination of Pentachlorophenol in textiles
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) (Modification: <i>Applied only for GC-MS</i>)
CPSC-CH-C1001-09.3 2010-04	Standard operating procedure for determination of phthalates (<i>withdrawn standard method</i>)
CPSC-CH-C1001-09.4 2018-01	Standard operating procedure for determination of phthalates
CTS-HL-206-5 2018-03	Determination of Polycyclic Aromatic Hydrocarbons (PAHs) Content in plastic, rubber type samples & chemical formulations
CTS-SL-203-1 2016-08	Determination of the content of extractable Monochlorophenols (MCPs), Dichlorophenols (DCPs), Trichlorophenols (TCPs), Tetrachlorophenols (TeCPs) and Pentachlorophenol (PCP), its salts and esters in leather by steam distillation / GC-MS and GC-ECD analysis
CTS-SL-203-2 2018-04	Determination of the content of extractable Monochlorophenol (MCP), Dichlorophenol (DCP), Trichlorophenol (TCP), Tetrachlorophenol (TeCP) and Pentachlorophenol (PCP), its salts and esters in printed polyester and chemical formulations by alkaline digestion / GC-ECD analysis by in-house method
CTS-SL-204-1 2016-07	Determination of Chlorinated Organic Carriers (COC) in Textile Commodity Article by In-house GCMS method

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CTS-SL-204-2 2018-03	Determination of Chlorinated Organic Carriers (COC) in Textile Commodity Article and Chemical Formulations by GC-MS method
CTS-SL-205-1 2018-04	Determination of Organotin Content in Textile, Plastic, Leather and Chemical Formulations with Extraction Facilitated by Carbamate solution by GC-MS method
CTS-SL-206-10 2018-03	Determination the content of Phthalates (DBP, BBP, DEHP, DINP, DNOP, DIDP, DiBP, DNHP, DEP, DIOP, DMEP, DCHP, DNP and DPrP) in print and chemical formulations by GC-MS method
CTS-SL-208-1 2008-07	Determination of Polychlorinated Biphenyls (Congeners) Content in Textile Materials by GC-MS method
CTS-SL-216-5 2018-03	Determination of Flame retardants in textile, leather, plastic and chemical formulations by GC-MS method
CTS-SL-229-1 2011-03	Determination of Tetrabromobisphenol A (TBBP-A) and Pentabromophenol (PBP) using GC-MS
CTS-SL-231-1 2008-01	Determination of Triclosan in Textile Material and Plastic by GC/MS
CTS-SL-237-1 2018-04	Determination of the content of extractable of ortho-Phenylphenol (OPP), its salts and esters in textiles and chemical formulations by alkaline digestion/GC-MS analysis by in-house method
CTS-SL-244-1 2008-12	Determination of Dimethyl Fumarate content in leather, PU leather, rubber and silica gel pellet by GC/MS method
CTS-SL-244-2 2009-09	Determination of Dimethyl Fumarate content in leather, PU leather, rubber and silica gel pellet using Methanol extraction by GC/MS method
CTS-SL-244-3 2012-04	Determination of Dimethyl Fumarate content in leather, PU leather, and silica gel pellet using ethyl acetate extraction by GC/MS method
CTS-SL-266-1 2014-07	Determination of Dimethylformamide in footwear materials by GC/MS
CTS-SL-266-2 2019-09	Determination of Dimethylformamide, Formamide, Dimethylacetamide and N-Methyl-2-pyrrolidone in footwear materials by GC/MS.

1.2 Organic Hazardous Substances in Textile, Leather and Plastics/Polymers and Oil based Material using Gas Chromatography-Electron Capture Detector (GC-ECD)

ISO 17070 2015-02	Leather - Chemical tests - Determination of Pentachlorophenol content
DIN EN ISO 17070 2015-05	Leather - Chemical tests - Determination of Pentachlorophenol content
BS EN ISO 17070 2015-02	Leather - Chemical tests - Determination of Pentachlorophenol content
ASU B 82.02-8 2001-06	Determination of Pentachlorophenol in textiles
CTS-EC-211-1 2016-08	Determination of Short Chain Chlorinated Paraffin (C ₁₀₋₁₃), Medium Chain Chlorinated Paraffin (C ₁₄₋₁₇), Polychlorinated Biphenyls (Aroclors), Polychlorinated Naphthalene (PCN), Polychlorinated Terphenyls (Aroclors), and Mirex content in polymeric and oil-based electrical or electronic components by Gas Chromatography - Electron Capture Detector (GC-ECD)
CTS-SL-203-1 2016-08	Determination of the content of extractable Monochlorophenols (MCPs), Dichlorophenols (DCPs), Trichlorophenols (TCPs), Tetrachlorophenols (TeCPs) and Pentachlorophenol (PCP), its salts and esters in leather by steam distillation / GC-MS and GC-ECD analysis
CTS-SL-203-2 2018-04	Determination of the content of extractable Monochlorophenol (MCP), Dichlorophenol (DCP), Trichlorophenol (TCP), Tetrachlorophenol (TeCP) and Pentachlorophenol (PCP), its salts and esters in printed polyester and chemical formulations by alkaline digestion / GC-ECD analysis by in-house method

1.3 Organic Hazardous Substances in Plastics/Polymers, Textile, Leather and Food Container using Head Space Gas Chromatography (HS-GC)

ASU B 80.32-1(EG) 1981-11	Determination of the vinylchloride monomer content in commodity goods
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1.4 Organic Hazardous Substances in Textile, Leather, Paper and Plastic using High Performance Liquid Chromatography - Mass Spectrometer Detector (HPLC-MS) **

DIN 54231 2005-11	Textiles - Detection of disperse dyestuffs
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CTS-HL-306-1/EN71-9 2008-07	Determination of flame retardants in toy materials by LC-MS analysis
CTS-SL-202-1 2017-01	Determination of Allergeneous and Carcinogenic dyestuff in Textile Materials by HPLC/MSD
CTS-SL-202-4 2018-03	Determination of Allergeneous and Carcinogenic dyestuff in Chemical Formulations by HPLC/MSD
CTS-SL-213-3 2013-12	Determination of Alkylphenol and Alkylphenol Ethoxylate in Textile, Liquid and Plastic
CTS-SL-217-1 2008-08	Determination of Bis(2,3-dibromopropyl) Phosphate (BDBPP) and Tris(2,3-dibromopropyl) Phosphate (TRIS) by HPLC/MS

1.5 Organic Hazardous Substances in Plastics/Polymers, Coating Material, Rubber and Elastomers using High Performance Liquid Chromatography - Tandem Mass Spectrometer Detector (HPLC-MS/MS) **

ISO 17881-2 2016-02	Textiles – Determination of Certain Flame Retardants – Part 2: Phosphorus Flame Retardants
CTS-HL-229-1 2013-01	Bisphenol A in Plastic by High Performance Liquid Chromatograph with Tandem mass spectrometer (HPLC-MS-MS)
CTS-HL-518-5 2016-06	Migration of N-Nitrosamines and N-Nitrosatable Substances in Balloons and Elastomers by LC-MS/MS
CTS-SL-219-1 2018-03	Determination of extractable Perfluorooctanoic acid (PFOA) and Heptadecafluorooctanesulfonic acid (PFOS) in textile sample by LC-MS/MS
CTS-SL-219-2 2018-03	Determination of extractable Perfluorooctanoic acid (PFOA) and Heptadecafluorooctanesulfonic acid (PFOS) for textiles and coated materials by LC-MS/MS
CTS-SL-219-3 2018-03	Determination of extractable Perfluorooctanoic acid (PFOA) and Heptadecafluorooctanesulfonic acid (PFOS) for polymeric materials by LC-MS/MS
CTS-SL-219-4 2018-03	Determination of extractable Perfluorooctanoic acid (PFOA) and Heptadecafluorooctanesulfonic acid (PFOS) for liquid samples by LC-MS/MS

1.6 Organic Hazardous Substances in Textile and Leather using High Performance Liquid Chromatograph - Diode Array Detector (HPLC-DAD) **

ISO 17226-1 2018-12	Leather - Chemical determination of formaldehyde content - Part 1: Method using high performance liquid chromatography
CTS-SL-224-1 2008-08	Determination of Biocides in Textile Materials by High Performance Liquid Chromatograph - Diode Array Detector (HPLC-DAD)

1.7 Organic Hazardous Substances in Textile and Leather using Gas Chromatography - Mass Spectrometer - High Performance Liquid Chromatography (GC-MS/HPLC-MS) **

ISO 17234-1 2010-02	Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colorants <i>(withdrawn standard method)</i>
ISO 17234-1 2015-04	Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colorants
ISO 17234-2 2011-03	Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 2: Determination of 4-aminoazobenzene
EN ISO 14362-1 2017-02	Textiles - Methods for the determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible without extraction
EN ISO 14362-3 2017-02	Textile - 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
DIN EN 14362-3 2017-05	Textile - 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
BS EN ISO 14362-1 2017-02	Textiles - Methods for the determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible without extraction
BS EN 14362-3 2017-02	Textile - 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

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ASU B 82.02-2 2013-01	Textiles - Methods for the determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible without extraction
ASU B 82.02-3 2014-02	Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colorants
ASU B 82.02-9 2014-02	Determination of the use of azo dyes which may release the 4-Aminoazobenzene
ASU B 82.02-15 2013-01	Textile - 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

1.8 Organic Hazardous Substances in Textile, Coating and Plastics/Polymers using Gas Chromatography - Nitrogen Phosphorus Detector/Mass Spectrometer (GC-NPD/MS)

CTS-SL-218-3 2011-03	Determination of Tris-(aziridinyl)phosphine oxide (TEPA) by sonication method using GC- NPD/MSD in textile materials
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1.9 Heavy Metal in Metal, Textile, Coating and Plastics/Polymers using Induced-Coupled Plasma (ICP) **

EN 1122 Method B 2001-03	Plastics - Determination of cadmium - Wet decomposition method
EN 1811:2011 + A1:2015	Reference test method for release of nickel from products intended to come into direct and prolonged contact with the skin
EN 12472: 2005+A1:2009 2009-07	Method for the simulation of wear and corrosion for the detection of nickel release from coated items
DIN EN 1122 Method B 2001-05	Plastics - Determination of cadmium - Wet decomposition method
DIN EN 1811: 2015-10	Reference test method for release of nickel from products intended to come into direct and prolonged contact with the skin
DIN EN 12472:2009 2009-09	Method for the simulation of wear and corrosion for the detection of nickel release from coated items
BS EN 1122 2001-05	Plastics - Determination of cadmium - Wet decomposition method

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BS EN 1811:2011 + A1:2015	Reference test method for release of nickel from products intended to come into direct and prolonged contact with the skin
BS EN 12472: 2005+A1:2009 2010-03	Method for the simulation of wear and corrosion for the detection of nickel release from coated items
EPA 3051A 1998-01	Microwave assisted acid digestion of sediments, sludges, soils and oils (Modification: <i>Applied only for plastics</i>)
EPA 3052 1996-02	Microwave assisted acid digestion of siliceous and organically based matrices
CD002 2016-06	Determination of Cadmium Content with the method of wet decomposition in Paints and Surface Coating Materials
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)
CPSC-CH-E1002-08.3 2012-11	Standard operation procedure for determining total lead (Pb) in non-metal children's products
CPSC-CH-E1003-09.1 2011-02	Standard operating procedure for determining lead (Pb) in paint and other similar surface coatings

1.10 Heavy Metal in Metal, Textile, Leather, Coating and Plastics/Polymers using Induced-Coupled Plasma - Mass Spectrometer (ICP-MS) **

ISO 17072-1 2019-02	Leather – Chemical Determination of Metal Content – Part 1: Extractable Metals
ISO 17072-2 2019-02	Leather – Chemical Determination of Metal Content – Part 2: Total Metal Content
BS EN 16711-1 2015-11	Textiles - Determination of metal content - Part 1: Determination of metals using microwave digestion
BS EN 16711-2 2015-11	Determination of metals extracted by acidic artificial perspiration solution
CTS-SL-103-1 2016-04	Extractable Heavy Metal in Artificial Acidic Sweat Solution by ISO 105-E04 determination by ICP-OES/ ICP-MS

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CTS-SL-108-6
2018-03

Determination of heavy metal content using microwave digestion for textile, leather, plastics, metal, coating and chemical formulations by ICP-MS

1.11 Heavy Metal in Metal, Textile, Leather, Coating and Plastics/Polymers using Atomic Absorption Spectrophotometer (AAS) **

EN 1122 Method B 2001-03	Plastics - Determination of cadmium - Wet decomposition method
EN 1811:2011 + A1:2015	Reference test method for release of nickel from products intended to come into direct and prolonged contact with the skin
EN 12472: 2005+A1:2009 2009-07	Method for the simulation of wear and corrosion for the detection of nickel release from coated items
DIN EN 1122 Method B 2001-05	Plastics - Determination of cadmium - Wet decomposition method
DIN EN 1811: 2015-10	Reference test method for release of nickel from products intended to come into direct and prolonged contact with the skin
DIN EN 12472:2009 2009-09	Method for the simulation of wear and corrosion for the detection of nickel release from coated items
BS EN 1122 2001-05	Plastics - Determination of cadmium - Wet decomposition method
BS EN 1811:2011 + A1:2015	Reference test method for release of nickel from products intended to come into direct and prolonged contact with the skin
BS EN 12472: 2005+A1:2009 2010-03	Method for the simulation of wear and corrosion for the detection of nickel release from coated items
CD002 2016-06	Determination of Cadmium Content with the method of wet decomposition in Paints and Surface Coating Materials by AAS
CD003 2016-03	Determination total cadmium (Cd) content in metal jewellery product by AAS
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)

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CPSC-CH-E1002-08.3 2012-11	Standard operation procedure for determining total lead (Pb) in non-metal children's products
CPSC-CH-E1003-09.1 2011-02	Standard operating procedure for determining lead (Pb) in paint and other similar surface coatings

1.12 Hazardous Substances in Plastics/Polymers, Textile and Leather using UV-VIS Spectrophotometer (UV-VIS) *

ISO 10195 2018-05	Leather – Chemical determination of chromium(VI) content in leather – Thermal pre-ageing of leather and determination of hexavalent chromium
ISO 14184-1 2011-08	Textiles - Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method)
ISO 14184-2 2011-08	Textiles - Determination of formaldehyde - Part 2: Released formaldehyde (vapour absorption method)
ISO 17075-1 2017-02	Leather - Chemical determination of chromium(VI) content in leather - Part 1: Colorimetric method
ISO 17226-2 2018-12	Leather - Chemical determination of formaldehyde content - Part 2: Method using colorimetric analysis
EN 420:2003 +A1:2009 Clause 4.3.3 2010-01	Protective gloves - general requirement and test methods Determination of chromium (VI) content
DIN EN ISO 14184-1 2012-12	Textiles - Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method)
DIN EN ISO 14184-2 2011-12	Textiles - Determination of formaldehyde - Part 2: Released formaldehyde (vapour absorption method)
DIN EN 420:2003 +A1:2009 Clause 4.3.3 2010-01	Protective gloves - general requirement and test methods Determination of chromium (VI) content
BS EN ISO 14184-1 2012-08	Textiles - Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method)
BS EN ISO 14184-2 2011-09	Textiles - Determination of formaldehyde - Part 2: Released formaldehyde (vapour absorption method)

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BS EN 420:2003 +A1:2009 Clause 4.3.3 2010-01	Protective gloves - general requirement and test methods Determination of chromium (VI) content
NF EN ISO 14184-2 2011-11	Textiles - Determination of formaldehyde - Part 2: Released formaldehyde (vapour absorption method)
AATCC 112 2008-01	Formaldehyde Release from Fabric, Determination of: Sealed Jar Method
JIS L1041 Method B 2011-07	Japan Industrial Standards - Test methods for resin finished textiles
Japanese Law No. 112 1973-10	Law for the control of household products containing harmful substances (Test method: Refer to item 17 in Appendix table of Japanese Law No.112)

1.13 Organic Hazardous Substances Plastic and Coating using Fourier Transform Infrared Spectrophotometer (FT-IR)

CTS-SL-207-6 2014-07	Polyvinyl Chloride (PVC) Detection in Plastic Material and Coating Material by FT-IR
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1.14 Organic Hazardous Substances in Electrical Product Material using Gas Chromatography - Mass Spectrometer Detector (GC-MS) **

AfPS GS 2014:01 PAK 2014-08	Product Safety Commission (AfPS) GS Specification: Testing and assessment of polycyclic aromatic hydrocarbons (PAHs) in the course of awarding the GS mark- Specification pursuant to article 21(1) no. 3 of the Product Safety Act (ProdSG)
EPA 8082A 2007-02	Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Modifications: Apply for PCBs, Short Chain Chlorinated Paraffin (C10-13) and Medium Chain Chlorinated Paraffin (C14-17))
IEC 62321-6 2015	Determination of certain substances in electrotechnical products - Part 6: Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography -mass spectrometry (GC-MS)
CTS-HL-206-5 2018-03	Determination of Polycyclic Aromatic Hydrocarbons (PAHs) Content in plastic, rubber type samples & chemical formulations

1.15 Determination of Heavy Metals, Halogenic Substances in Textiles, Plastics/Polymers

EN 14582 2007-04	Characterisation of waste - Halogen and sulfur content - Oxygen combustion in closed systems and determination methods
BS EN ISO 3613 2010-12	Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zinc-aluminium alloys - Test methods
BS EN 14582 2007-04	Characterization of waste. Halogen and sulfur content. Oxygen combustion in closed systems and determination methods
IEC 61189 2006-05	Test methods for electronic materials, printed boards and other interconnection structures and assemblers
IEC 62321-1 Edition 1.0 2013-05	Determination of certain substances in electrotechnical products - Part 1: Introduction and overview
IEC 62321-2 Edition 1.0 2013-06	Determination of certain substances in electrotechnical products - Part 2: Disassembly, disjointment and mechanical sample preparation
IEC 62321-3.1 Edition 1.0 2013-06	Determination of certain substances in electrotechnical products - Part 3-1: Screen-Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry
IEC 62321-4 Edition 1.0 2013-06	Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AFS, CV-AAS, ICP-OES and ICP-MS (Modification: <i>Applied only for ICP-OES and ICP-MS</i>)
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: <i>Applied only for AAS, ICP-OES and ICP-MS</i>)
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)
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

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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
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) (Modification: <i>Applied only for GC-MS</i>)
CTS-SL-104-6 2014- 12	Accelerated aging procedure for Chromium VI development using controlled humidity chamber

1.16 Determination of pH in Textiles/Leathers

ISO 3071 2005-06	Textiles - Determination of pH of aqueous extract
ISO 4045 2018-05	Leather – Chemical tests – Determination of pH and difference figure
EN ISO 3071 2006-03	Textiles - Determination of pH of aqueous extract
DIN EN ISO 3071 2006-05	Textiles - Determination of pH of aqueous extract
BS EN ISO 3071 2006-03	Textiles - Determination of pH of aqueous extract

1.17 Determination of Glycols

CTS-SL-271-1 2018-03	Determination of Glycols in Chemical formulations by GC/MS
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2 Chemical Tests of Food Containers (Materials and Articles intended to come into Contact with Food)

2.1 Heavy Metals in Silicate Materials using AAS

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
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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

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

2.2 Organic Hazardous Substances in Paper, Wood and Wood Based Materials using UV-VIS Spectrometer (UV-VIS)

BS EN 1541
2001-06 Paper and board intended to come into contact with foodstuffs -
(Determination of formaldehyde in an aqueous extract)

2.3 Determination of Substances in Food Contact Material

EN 1186-1
2002-07 Materials and articles in contact with foodstuffs - Plastics -
Part 1: Guide to the selection of conditions and test methods for
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

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

EN 1186-4
2002-07 Materials and articles in contact with foodstuffs - Plastics -
Part 4: Test methods for overall migration into olive oil by cell

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

EN 1186-8
2002-07 Materials and articles in contact with foodstuffs - Plastics -
Part 8: Test methods for overall migration into olive oil by article
filling

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

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EN 1186-10 2002-12	Materials and articles in contact with foodstuffs - Plastics - Part 10: Test methods for overall migration into olive oil <i>(modified method for use in cases where incomplete extraction of olive oil occurs)</i>
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
DIN 51032 1986-02	Ceramics, glass, glass ceramics, vitreous enamels - Permissible limits for the release of lead and cadmium from articles intended for use in contact with foodstuffs
BS 6748 + A1:2011 2011-10	Specification for limits of metal release from ceramic ware, glass- ware, glass ceramic ware and vitreous enamel ware
84/500/EEC 1984-10	Council Directive 84/500/EEC of 15 October 1984 on the approximation of the laws of the Member States relating to ceramic articles intended to come into contact with foodstuffs <i>(Determination of leachable lead and cadmium)</i>
10/2011/EU 2011-01	Commission Regulation (EU) No 10/2011 of 14 January 2011 relating to plastic materials and articles intended to come into contact with foodstuffs <i>(Determination of overall migration)</i>
AS 2070 clause 4.1.1 (b) 1999-03	Plastics materials for food contact use <i>(determination of overall migration)</i> <i>(used in conjunction with EN 1186 standards)</i>

3 Chemical Tests of Toys (including Child Use and Care Articles) and Fashion Jewellery

3.1 Heavy Metals in Paints and Coatings using ICP *

ISO 8124-3 :2010 Amd 2 :2018 2018-09	Safety of Toys - Part 3: Migration of certain elements
EN 71-3 1994	Safety of Toys - Part 3: Migration of certain elements <i>(withdrawn standard)</i>
EN 71-3:1994+A1 2000-09+AC :2002-07	Safety of Toys - Part 3: Migration of certain elements <i>(withdrawn standard)</i>
DIN EN 71-3 2002-11	Safety of Toys - Part 3: Migration of certain elements <i>(withdrawn standard)</i>

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DIN EN 71-3:2002+ A1 2000-09+AC :2002-07	Safety of Toys - Part 3: Migration of certain elements <i>(withdrawn standard)</i>
BS EN 71-3 1995-06	Safety of Toys - Part 3: Migration of certain elements <i>(withdrawn standard)</i>
BS EN 71-3:1995+A1:2001-04 +AC:2006-06	Safety of Toys - Part 3: Migration of certain elements <i>(withdrawn standard)</i>
ASTM F963-17 2017-08	Standard consumer safety specification for toy safety <i>(Apply for soluble heavy metals)</i>

3.2 Heavy Metals in Plastics/Polymers using AAS *

EN 1122 Method B 2001-03	Plastics - Determination of cadmium - Wet decomposition method
DIN EN 1122 Method B 2001-05	Plastics - Determination of cadmium - Wet decomposition method
BS EN 1122 2001-05	Plastics - Determination of cadmium - Wet decomposition method

3.3 Heavy Metals in Plastics/Polymers using ICP *

ISO 8124-3 :2010 Amd 2 :2018 2018-09	Safety of Toys - Part 3: Migration of certain elements
EN 71-3 1994	Safety of Toys - Part 3: Migration of certain elements <i>(withdrawn standard)</i>
EN 71-3 2017-08	Safety of Toys - Part 3: Migration of certain elements
EN 71-3:1994+A1:2000-09 +AC:2002-07	Safety of Toys - Part 3: Migration of certain elements <i>(withdrawn standard)</i>
EN 1122 Method B 2001-03	Plastics - Determination of cadmium - Wet decomposition method
DIN EN 71-3 2002-11	Safety of Toys - Part 3: Migration of certain elements <i>(withdrawn standard)</i>

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DIN EN 71-3 2017-08	Safety of Toys - Part 3: Migration of certain elements
DIN EN 71-3:2002+A1:2000-09+AC:2002-07	Safety of Toys - Part 3: Migration of certain elements <i>(withdrawn standard)</i>
DIN EN 1122 Method B 2001-05	Plastics - Determination of cadmium - Wet decomposition method
BS EN 71-3 1995-06	Safety of Toys - Part 3: Migration of certain elements <i>(withdrawn standard)</i>
BS EN 71-3 2017-08	Safety of Toys - Part 3: Migration of certain elements <i>(withdrawn standard)</i>
BS EN 71-3 2019-04	Safety of Toys - Part 3: Migration of certain elements
BS EN 71-3:1995+ A1:2001-04 +AC:2006-06	Safety of Toys - Part 3: Migration of certain elements <i>(withdrawn standard)</i>
BS EN 1122 2001-05	Plastics - Determination of cadmium - Wet decomposition method

3.4 Heavy Metals in Paints and Coatings using AAS *

EN 12472:2005+A1:2009 2009-07	Method for the simulation of wear and corrosion for the detection of nickel release from coated items
DIN EN 12472:2009 2009-09	Method for the simulation of wear and corrosion for the detection of nickel release from coated items
BS EN 12472:2005+A1:2009 2010-03	Method for the simulation of wear and corrosion for the detection of nickel release from coated items
ASTM F963-17 2017-08	Standard consumer safety specification for toy safety <i>(Apply for soluble heavy metals)</i>

3.5 Organic Hazardous Substances in Wood and Wood Based Materials using UV-VIS *

BS EN 717-3 1996-09	Wood-based panels - Determination of formaldehyde release - Part 3: Formaldehyde release by the flask method
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BS EN 1541
2001-06 Paper and board intended to come into contact with foodstuffs -
Determination of formaldehyde in an aqueous extract

3.6 Organic Hazardous Substances in Plastics/Polymers using GC-MS *

ISO 8124-6
2018-11 Safety of toys – Part 6: Certain phthalates esters in toys and
children’s products (Method A & C)

EN 71-3
2018-06 Safety of Toys - Part 3: Migration of certain elements

EN 14372
2004-08 Child use and care articles - Cutlery and feeding utensils - Safety
requirements and tests
(Section 6.3.2 Determination of phthalate content)

DIN EN 71-3
2018-08 Safety of Toys - Part 3: Migration of certain elements

DIN EN ISO 14372
2004-11 Child use and care articles - Cutlery and feeding utensils - Safety
requirements and tests
(Section 6.3.2 Determination of phthalate content)

BS EN 71-3
2018-07 Safety of Toys - Part 3: Migration of certain elements

BS EN 71-3
2019-04 Safety of Toys - Part 3: Migration of certain elements

BS EN ISO 14372
2006-08 Child use and care articles - Cutlery and feeding utensils - Safety
requirements and tests
(Section 6.3.2 Determination of phthalate content)

AfPS GS 2014:01 PAK
2014-08 Product Safety Commission (AfPS) GS Specification: Testing and
assessment of polycyclic aromatic hydrocarbons (PAHs) in the course
of awarding the GS mark- Specification pursuant to article 21(1) no.
3 of the Product Safety Act (ProdSG)

CTS-HL-206-5
2018-03 Determination of Polycyclic Aromatic Hydrocarbons (PAHs) Content
in plastic, rubber type samples & chemical formulations

CTS-HL-233-1
2011-08 N,N-Dimethylformamide, N-Methylformamide, Acetophenone,
2-Phenyl-2-propanol and Formamide in Polyethylene (PE),
Polystyrene (PS), Polyurethane (PU) and Ethylene-Vinyl Acetate
(EVA) by GC-MS

3.7 Determination of Heavy Metals in Children's Toy and Fashion Jewellery

ASTM E 1613
2004-08

Standard test method for determination of lead by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES), Flame Atomic Absorption Spectrometry (FAAS) or Graphite Furnace Atomic Absorption Spectrometry (GFAAS) technique
(Modification: *Applied only for FAAS and ICP-AES*)

4 Determination of the Emission of Volatile Organic Compounds (VOCs) and Formaldehyde N-Nitrosamines and N-Nitrosatable Substances from Textiles, Leather Products, Toys, Wood, Electrical and Electronic Equipment and Automotive Parts

ASTM D 1475
2013-01

Standard test method for density of liquid coatings, Inks, and related products

ASTM D 2369
2015-06

Standard test method for volatile content of coatings

ASTM D 3792
2016-01

Determination of water content in paints and printing inks using GC/TCD method

ASTM D 4017
2015-01

Standard test method for water in paints and paint materials by Karl Fischer Method

ASTM D 5582
2006-09

Determination of formaldehyde level from wood products using a desiccator

ASTM D6007
2014-01

Determination of formaldehyde concentration in air from wood products using small scale chamber
(Modifications: 1) *Pre-conditioning with reference to ASTM E 1333-14*; - 2) *Colour developing agent with reference to GB/T 18204-26-2000*)

CARB Method 310
2005-05

Determination of volatile organic compounds (VOC) in consumer products and reactive organic compounds in aerosol coating products

EPA 24
1993-08

Determination of volatile matter content, water content, density, volume solid, and weight solids of surface coating

EPA 24A
1996-05

Determination of volatile matter content and density of publication rotogravure inks and related publication rotogravure coatings

CTS-HL-103-1
2008-10

Determination of ammonium Ion in aqueous consumer products using ion chromatography

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CTS-HL-218-1 2008-06	Determination of Low Vapor Pressure - Volatile Organic Compounds (LVP-VOC) in consumer product by GC-FID analysis
CTS-HL-218-6 2016-08	Determination of Water content with Karl Fischer Drying Oven in Consumer Product with modification of MLD SOP SAS03
CTS-HL-219-1 2011-01	Determination of exempt compounds in propellant portion of aerosol consumer product by GC-TCD analysis
CTS-HL-219-2 2011-05	Determination of exempt compounds in non-propellant portion of consumer product by GC-MS analysis
CTS-HL-518-5 2016-06	Migration of N-Nitrosamines and N-Nitrosatable Substances in Balloons and Elastomers by LC-MS/MS
CTS-HL-804-1 2011-05	Determination of exempt compounds in paint and ink by GC-MS analysis
CTS-HL-902-1 2008-06	Determination of density of aerosol consumer product propellant by digital density meter
CTS-SL-220-1 2016-07	Determination of Volatile Organic Compounds (VOCs) in plastic and textile material by Headspace GCMS
CTS-SL-222-5 2008-02	Determination of VOC Emission in textiles, leather and plastic materials by Emission Chamber Method

5 Selected Tests of Automotive Parts

ISO 3613 2006-06	Chromate conversion coatings on zinc, cadmium, aluminum-zinc alloys and zinc-aluminum alloys - Test methods
ISO 17075-1 2017-02	Leather - Chemical determination of chromium(VI) content in leather - Part 1: Colorimetric method
ISO 17075-2 2017-02	Leather - Chemical determination of chromium(VI) content in leather - Part 2: Chromatographic method
EN ISO 3613 2001-08	Chromate conversion coatings on zinc, cadmium, aluminum-zinc alloys and zinc-aluminum alloys - Test methods
EN 1122 Method B 1996-04	Plastics - Determination of cadmium - Wet decomposition method

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DIN EN 1122 Method B 2001-05	Plastics - Determination of cadmium - Wet decomposition method
BS EN ISO 3613 2001-09	Chromate conversion coatings on zinc, cadmium, aluminum-zinc alloys and zinc-aluminum alloys - Test methods
BS EN 1122 2001-05	Plastics - Determination of cadmium - Wet decomposition method
IEC 62321-1 Edition 1.0 2013-05	Determination of certain substances in electrotechnical products - Part 1: Introduction and overview
IEC 62321-2 Edition 1.0 2013-06	Determination of certain substances in electrotechnical products- Part 2: Disassembly, disjointment and mechanical sample preparation
IEC 62321-3.1 Edition 1.0 2013-06	Determination of certain substances in electrotechnical products- Part 3-1: Screen-Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry
IEC 62321-4 Edition 1.0 2013-06	Determination of certain substances in electrotechnical products- Part 4: Mercury in polymers, metals and electronics by CV-AFS, CV-AAS, ICP-OES and ICP-MS (Modification: <i>Applied only for ICP-OES and ICP-MS</i>)
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: <i>Applied only for AAS, ICP-OES and ICP-MS</i>)
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)
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
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 colourless and coloured corrosion-protected coatings on metals by the colorimetric method

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IEC 62321-8 Edition1.0 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) (Modification: <i>Applied only for GC-MS</i>)
EPA 3051A 1998-01	Microwave assisted acid digestion of sediments, sludges, soils and oils (Modification: <i>Applied only for plastics</i>)
EPA 3052 1996-02	Microwave assisted acid digestion of siliceous and organically based matrices
EPA 3060A 1996-02	Alkaline digestion for hexavalent chromium

6 Selected Chemical Tests of Foodstuff

AOAC 900.02A 2005	Determination of ash in sugars and syrups
AOAC 920.153 2005	Determination of ash of meat
AOAC 922.06 2005	Determination of fat in flour
AOAC 923.03 2005	Determination of ash of flour
AOAC 925.10 2008	Determination of moisture in flour
AOAC 925.45B 2008	Determination of moisture in sugar
AOAC 930.15 2008	Moisture in animal feed - Oven drying method
AOAC 948.15 2005	Determination of fat in meat
Food.002 2015-08	Determination of boric acid in food by titration method with reference to AOAC 970.34
Food.005 2016-08	Determination of fat in milk

Period of validity: 03.06.2020 to 30.01.2022

Date of issue: 15.06.2020

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Food.006 2016-08	Determination of fat in dried milk
Food.007 2016-08	Determination of fat in ice cream
Food.009 2018-04	Gravimetric Determination of ash in food - Muffle furnace method
Food.010 2018-04	Gravimetric determination of moisture in food - Oven drying method
CTS-FD-102-1 2019-09	Heavy metals and toxic elements analyses in general food samples by microwave digestion followed by Inductively Coupled Plasma Mass Spectrometry (ICP/MS) measurement
CTS-FD-211-1 2011-09	Determination of propionic acid in general food by GC/FID
CTS-FD-215-1 2013-01	Determination of Melamine in Dairy Product by LC-MS/MS
CTS-FD-215-2 2011-09	Melamine in General Food by LC-MS/MS
CTS-FD-244-1 2014-07	Polyaromatic Hydrocarbons (PAH) content in Oil by LC-FLD

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7 Screening of solvents, cleaners, adhesives, paints, Inks, dyes, pigments, auxiliaries and pre-treatment agents using Gas Chromatography with mass selective detectors (GC-MS)/High Performance Liquid Chromatography with mass selective Detector (HPLC-MS)/High Performance Liquid Chromatograph - Diode Array Detector (HPLC-DAD) / Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

ISO 14389 2014-05	Textiles - Determination of phthalate content - Tetrahydrofuran method (Modification: <i>Applied for Chemical Formulations</i>)
ISO 17070 2015-02	Leather - Chemical tests - Determination of Pentachlorophenol content (Modification: <i>Applied for Chemical Formulations</i>)
ISO 17072-2 2011-02	Leather - Chemical determination of metal content - Part 2: Total metal content (Modification: <i>Applied for Chemical Formulations</i>)
ISO 17075-1 2017-02	Leather - Chemical determination of chromium(VI) content in leather - Part 1: Colorimetric method (Modification: <i>Applied for Chemical Formulations</i>)
ISO 17075-2 2017-02	Leather - Chemical determination of chromium(VI) content in leather - Part 2: Chromatographic method (Modification: <i>Applied for Chemical Formulations</i>)
ISO 17353 2004-09	Water quality - determination of selected organotin compounds - gas chromatographic method (Modification: <i>Applied for Chemical Formulations</i>)
ISO 18218-1 2015-06	Leather - Determination of ethoxylated alkylphenols - Part 1: Direct method (Modification: <i>Applied for Chemical Formulations</i>)
ISO 18219 2015-09	Leather - Determination of chlorinated hydrocarbons in leather - Chromatographic method for shortchain chlorinated paraffins (SCCP) (Modification: <i>Applied for Chemical Formulations</i>)
ISO 18254-1 2016-04	Textiles - Method for the detection and determination of alkylphenol ethoxylates (APEO) - Part 1: Method using HPLC-MS (Modification: <i>Applied for Chemical Formulations</i>)
EN ISO 14362-1 2017-02	Textiles - Methods for the determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible without extraction (Modification: <i>Applied for Chemical Formulations</i>)

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EN ISO 14362-3 2017-02	Textile - Methods for the determination of certain aromatic amines derived from azo colorants - Part 3: Detection of the use of certain azo colorants, which may release 4-Aminoazobenzene (Modification: <i>Applied for Chemical Formulations</i>)
EN 16711-1 2015-11	Textiles - Determination of metal content - Part 1: Determination of metals using microwave digestion (Modification: <i>Applied for Chemical Formulations</i>)
DIN EN ISO 17070 2015-05	Leather - Chemical tests - Determination of Pentachlorophenol content
DIN EN ISO 17353 2005-11	Water quality - determination of selected organotin compounds -gas chromatographic method (Modifications: <i>1) Only applied for textiles, leather, plastics and ink - 2) Extraction by ultrasonic extraction with ethanoic carbamate solution</i>)
DIN 54231 2005-11	Textiles - Detection of disperse dyestuffs (Modification: <i>Applied for Chemical Formulations</i>)
BS ISO 17353 2004-09	Water quality - determination of selected organotin compounds -gas chromatographic method (Modifications: <i>1) Only applied for textiles, leather, plastics and ink - 2) Extraction by ultrasonic extraction with ethanoic carbamate solution</i>)
BS EN ISO 17070 2015-02	Leather - Chemical tests - Determination of Pentachlorophenol content
CEN/TS 15968 2010-08	Determination of extractable perfluorooctanesulphonate (PFOS) in coated and impregnated solid articles, liquids and fire fighting foams - Method for sampling, extraction and analysis by LC-qMS or LC-tandem/MS (Modification: <i>Applied for Chemical Formulations with LC-MS/MS</i>)
AfPS GS 2014:01 PAK 2014-08	Product Safety Commission (AfPS) GS Specification: Testing and assessment of polycyclic aromatic hydrocarbons (PAHs) in the course of awarding the GS mark- Specification pursuant to article 21(1) no. 3 of the Product Safety Act (ProdSG) (Modification: <i>Applied for Chemical Formulations</i>)
CPSC-CH-C1001-09.3 2010-04	Standard operating procedure for determination of phthalates (Modification: <i>Applied for Chemical Formulations</i>) (<i>withdrawn standard method</i>)

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CPSC-CH-C1001-09.4 2018-01	Standard operating procedure for determination of phthalates (Modification: <i>Applied for Chemical Formulations</i>)
CTS-HL-206-5 2018-03	Determination of Polycyclic Aromatic Hydrocarbons (PAHs) Content in plastic, rubber type samples & chemical formulations
CTS-SL-104-10 2018-04	Determination of Chromium (VI) content in chemical formulations refer to ISO 17075-1
CTS-SL-108-6 2018-03	Determination of heavy metal content using microwave digestion for textile, leather, plastics, metal, coating and chemical formulations
CTS-SL-201-21 2018-03	Detection and Determination of Certain Aromatic Amines Derived from Azo Colorants - Detection of the use of certain azo colorants of chemical formulations
CTS-SL-201-21 2018-03	Detection of the use of certain azo colorants, which may release 4- aminoazobenzene of chemical formulations
CTS-SL-202-4 2018-03	Determination of Allergeneous and Carcinogenic dyestuff in Chemical Formulations by HPLC/MSD
CTS-SL-203-2 2018-04	Determination of the content of extractable Monochlorophenol (MCP), Dichlorophenol (DCP), Trichlorophenol (TCP), Tetrachlorophenol (TeCP) and Pentachlorophenol (PCP), its salts and esters in printed polyester and chemical formulations by alkaline digestion / GC-ECD analysis by in-house method
CTS-SL-204-2 2018-03	Determination of Chlorinated Organic Carriers (COC) in Textile Commodity Article and Chemical Formulations by GC-MS method
CTS-SL-205-1 2018-02	Determination of Organotin Content in Textile, Plastic, Leather and chemical formulations with Extraction Facilitated by Carbamate solution
CTS-SL-206-10 2018-03	Determination the content of Phthalates (DBP, BBP, DEHP, DINP, DNOP, DIDP, DiBP, DNHP, DEP, DIOP, DMEP, DCHP, DNP and DPrP) in print and chemical formulations
CTS-SL-209-2 2018-02	Determination of Short Chain Chlorinated Paraffin (C10-13) in Textile, Leather and Polymeric Components and chemical formulations by Gas Chromatography - Mass Selective Detector with Negative Chemical Ionization (GC/MS-NCI)

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CTS-SL-213-4 2018-02	Determination of Alkylphenol Ethoxylates (APEOs) in textile, leather, plastic and chemical formulations
CTS-SL-216-5 2018-03	Determination of Flame retardants in textile, leather, plastic and chemical formulations by GC-MS
CTS-SL-219-5 2018-02	Determination of extractable Perfluorooctanoic acid (PFOA) and Heptadecafluorooctanesulfonic acid (PFOS) for textile, polymeric materials and chemical formulations with
CTS-SL-220-4 2018-03	Determination of Volatile Organic Compounds (VOCs) and Halogenated Solvents in Chemical formulations by GCMS
CTS-SL-237-1 2018-04	Determination of the content of extractable of ortho-Phenylphenol (OPP), its salts and esters in textiles and chemical formulations by alkaline digestion / GC-MS analysis by in-house method
CTS-SL-270-1 2018-03	CHEMICAL SCREENING (SGS BRS200-17) for MRSL substances in Various Chemical Auxiliaries with GC-MS, HPLC-DAD/MS, ICP-OES, ICP-MS
CTS-SL-271-1 2018-03	Determination of Glycols in Chemical formulations by GCMS

8 Test Methods that in Connection with National Regulation and/or Standard used in Regulatory Acceptance

8.1 Toy and Children's Product for US Public Law 110-314, CPSC 16 CFR Part 1303 and 16 CFR Part 1307

ASTM F963-17 2017-08	Standard consumer safety specification for toy safety <i>(Apply for soluble heavy metals and total lead content)</i>
CPSC-CH-C1001-09.3 2010-04	Standard operating procedure for determination of phthalates <i>(withdrawn standard method)</i>
CPSC-CH-C1001-09.4 2018-01	Standard operating procedure for determination of phthalates
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)
CPSC-CH-E1002-08.3 2012-11	Standard operation procedure for determining total lead (Pb) in non-metal children's products

CPSC-CH-E1003-09.1
2011-02 Standard operating procedure for determining lead (Pb) in paint and other similar surface coatings

8.2 Perfluorooctane Sulfonates (PFOS) Content for Commission Regulation (EU) No. 757/2010 Amending Annex 1 of Regulation EC No. 850/2004

CEN/TS 15968
2010-08 Determination of extractable perfluorooctanesulphonate (PFOS) in coated and impregnated solid articles, liquids and fire fighting foams
- Method for sampling, extraction and analysis by LC-qMS or LC-tandem/MS
(Modification: *Applied only for LC-MS/MS*)

CTS-SL-219-1
2018-03 Determination of extractable Perfluorooctanoic acid (PFOA) and Heptadecafluorooctanesulfonic acid (PFOS) in textile sample by LC-MS/MS

CTS-SL-219-2
2018-03 Determination of extractable Perfluorooctanoic acid (PFOA) and Heptadecafluorooctanesulfonic acid (PFOS) for textiles and coated materials by LC-MS/MS

CTS-SL-219-3
2018-03 Determination of extractable Perfluorooctanoic acid (PFOA) and Heptadecafluorooctanesulfonic acid (PFOS) for polymeric materials by LC-MS/MS

CTS-SL-219-4
2018-03 Determination of extractable Perfluorooctanoic acid (PFOA) and Heptadecafluorooctanesulfonic acid (PFOS) for liquid samples by LC-MS/MS

CTS-SL-219-5
2018-03 Determination of extractable Perfluorooctanoic acid (PFOA) and Heptadecafluorooctanesulfonic acid (PFOS) for chemical formulations (eg. aqueous liquid, organic liquid, solid) by HPLC-MS/MS

8.3 Nonylphenol (NP), Nonylphenol Ethoxylate (NPEO), Octylphenol (OP), Octylphenol Ethoxylate (OPEO) Content for Entry 46 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006

ISO 18218-1
2015-06 Leather - Determination of ethoxylated alkylphenols - Part 1: Direct method

ISO 18254-1
2016-04 Textiles - Method for the detection and determination of alkylphenol ethoxylates (APEO) - Part 1: Method using HPLC-MS

CTS-SL-213-3
2013-12 Determination of alkylphenol and alkylphenol ethoxylate in textile, liquid and plastic by HPLC-MS

CTS-SL-213-4
2018-03 Determination of Alkylphenol and Alkylphenol Ethoxylates in
Chemical Formulations by HPLC-MS

8.4 Short-chain Chlorinated Paraffins (SCCP) Content for Commission Regulation (EU) No. 2015/2030 Amending Annex 1 of Regulation EC No. 850/2004

ISO 18219
2015-09 Leather - Determination of chlorinated hydrocarbons in leather -
Chromatographic method for short-chain chlorinated paraffins (SCCP)

EPA 8082A
2007-02 Polychlorinated biphenyls (PCBs) by gas chromatography
(Modifications: *apply for PCBs, Short Chain Chlorinated Paraffin (C₁₀₋₁₃)
and Medium Chain Chlorinated Paraffin (C₁₄₋₁₇)*)

CTS-EC-211-1
2016-08 Determination of short chain chlorinated paraffin (C₁₀₋₁₃), medium
chain chlorinated paraffin (C₁₄₋₁₇), Polychlorinated Biphenyls (Aroclors),
Polychlorinated Naphthalene (PCN), Polychlorinated Terphenyls
(Aroclors), and Mirex content in polymeric and oil-based electrical or
electronic components by Gas Chromatography - Electron Capture
Detector (GC-ECD)

CTS-SL-209-2
2018-03 Determination of Short Chain Chlorinated Paraffin (C₁₀₋₁₃) in Textile,
Leather and Polymeric Components and Chemical formulations by Gas
Chromatography – Mass Selective Detector with Negative Chemical
Ionization (GC/MS-NCI)

8.5 Safety of Toys of EN 71 Parts 9, 10 and 11

ISO 105-E04
2013-03 Textile - Tests for colour fastness - Part E04: Colour fastness to
perspiration

ISO 787-9
1981-09 General methods of test for pigments and extenders –
Part 9: Determination of pH value of an aqueous suspension

ISO 14184-1
2011-08 Textiles - Determination of formaldehyde - Part 1: Free and
hydrolyzed formaldehyde (water extraction method)

EN 71-9LIQUID
2008-07 Toxicity review for EN 71-9

DIN EN ISO 14184-1
2012-12 Textiles - Determination of formaldehyde - Part 1: Free and
hydrolyzed formaldehyde (water extraction method)

BS EN ISO 14184-1
2012-08 Textiles - Determination of formaldehyde - Part 1: Free
and hydrolyzed formaldehyde (water extraction method)

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BS EN 645 1994-02	Paper and board intended to come into contact with foodstuffs - Preparation of a cold water extract
BS EN 717-3 1996-09	Wood-based panels - Determination of formaldehyde release - Part 3: Formaldehyde release by the flask method
BS EN 1541 2001-06	Paper and board intended to come into contact with foodstuffs - Determination of formaldehyde in an aqueous extract
CTS-HL-301-1/EN71-9 2008-07	Determination of colorants in toy materials by LC-MS analysis
CTS-HL-301-1/EN 71-9 2008-07	Sampling guideline and special notes for toys and toy materials as per EN 71 Part 9-11
CTS-HL-302-1/EN71-9 2008-07	Determination of monomers released (Phenol, Bisphenol A, Acetophenone, Acrylamide, Formaldehyde) in toy by HPLC-DAD analysis
CTS-HL-303-1/EN 71-9 2008-07	Determination of preservatives in toy materials by HPLC-DAD analysis
CTS-HL-304-1/EN 71-9 2008-07	Determination of free formaldehyde (preservatives) in toy materials by HPLC-DAD analysis
CTS-HL-305-1/EN 71-9 2008-07	Determination of primary aromatic amines content in toy materials by GC-MS analysis
CTS-HL-306-1/EN71-9 2008-07	Determination of flame retardants in toy materials by LC-MS analysis
CTS-HL-307-1/EN 71-9 2008-07	Determination of wood preservatives in wooden toy materials by GC-ECD analysis
CTS-HL-308-1/EN 71-9 2008-07	Determination of leachable solvent in toys and toy components by head-space GC-MS analysis
CTS-HL-309-1/EN 71-9 2011-02	Determination of plasticizers (Triphenylphosphate, Tri-o-cresyl phosphate, Tri-m-cresyl phosphate, Tri-p-cresyl phosphate) (migration) in polymeric toy materials by GC-MS analysis
CTS-HL-310-1/EN 71-9 2008-07	Determination of solvent (inhalation) content in toy and toy accessories by thermal desorption GC-MS analysis
CTS-HL-311-1/EN 71-9 2008-07	Determination of monomers released (Styrene) in toy by GC-MS

CTS-HL-313-1/EN 71-9
2008-07 Determination of solvent (inhalation) content in toy materials by head-space GC-MS analysis

8.6 Volatile Content for US EPA Method 24 & 24A

ASTM D1475
2014-01 Standard test method for density of liquid coatings, inks, and related products

ASTM D2369
2015-07 Standard test method for volatile content of coatings

ASTM D4017
2015-01 Standard test method for water in paints and paint materials by Karl Fischer method

CTS-HL-218-6
2016-08 Determination of Water content with Karl Fischer Drying Oven in Consumer Product with modification of MLD SOP SAS03

CTS-HL-804-1
2011-05 Determination of exempt compounds in paint and ink by GC-MS analysis

8.7 Volatile Content for CARB Method 310

ASTM D2369
2015-07 Standard test method for volatile content of coatings

ASTM D4017
2015-01 Standard test method for water in paints and paint materials by Karl Fischer method

CTS-HL-103-1
2008-10 Determination of ammonium Ion in aqueous consumer products using ion chromatography

CTS-HL-218-1
2008-06 Determination of Low Vapor Pressure - Volatile Organic Compounds (LVP-VOC) in consumer product by GC-FID analysis

CTS-HL-218-6
2016-08 Determination of Water content with Karl Fischer Drying Oven in Consumer Product with modification of MLD SOP SAS03

CTS-HL-219-1
2011-01 Determination of exempt compounds in propellant portion of Aerosol Consumer Product by GC-TCD analysis

CTS-HL-219-2
2011-05 Determination of exempt compounds in non-propellant portion of consumer product by GC-MS analysis

CTS-HL-902-1
2008-06 Determination of density of Aerosol Consumer Product Propellant by Digital Density Meter

8.8 Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment for COMMISSION DELEGATED DIRECTIVE (EU) 2015/863 of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the List of Restricted Substances (RoHS Directive)

EPA 3051A 1998-01	Microwave assisted acid digestion of sediments, sludges, soils and oils (Modification: <i>Applied only for plastics</i>)
EPA 3052 1996-12	Microwave assisted acid digestion of siliceous and organically based matrices
EPA 3060A 1996-12	Alkaline digestion for hexavalent chromium
IEC 62321-1 Edition 1.0 2013-05	Determination of certain substances in electrotechnical products- Part 1: Introduction and overview
IEC 62321-2 Edition 1.0 2013-06	Determination of certain substances in electrotechnical products- Part 2: Disassembly, disjointment and mechanical sample preparation
IEC 62321-3.1 Edition 1.0 2013-06	Determination of certain substances in electrotechnical products- Part 3-1: Screen-Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry
IEC 62321-4 Edition 1.0 2013-06	Determination of certain substances in electrotechnical products- Part 4: Mercury in polymers, metals and electronics by CV-AFS, CV-AAS, ICP-OES and ICP-MS (Modification: <i>Applied only for ICP-OES and ICP-MS</i>)
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: <i>Applied only for AAS, ICP-OES and ICP-MS</i>)
IEC 62321-6 Edition 1.0 2015-09	Determination of certain substances in electrotechnical products - Part 6: Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography -mass spectrometry (GC-MS)
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

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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

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) (Modification: *Applied only for GC-MS*)

8.9 Cadmium Content for Entry 23 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006

EN 1122 Method B
2001-03

Plastics - Determination of cadmium - Wet decomposition method

DIN EN 1122 Method B
2002-02

Plastics - Determination of cadmium - Wet decomposition method

BS EN 1122 Method B
2001-05

Plastics - Determination of cadmium - Wet decomposition method

CD002
2016-06

Determination of Cadmium Content with the method of wet decomposition in Paints and Surface Coating Materials

CD003
2016-03

Determination total cadmium (Cd) content in metal jewelry product

8.10 Phthalates Content for Entry 51 & 52 of Regulation (EC) No 2018/2005 amending Annex XVII of REACH Regulation (EC) No 1907/2006

ISO 8124-6
2018-11

Safety of toys – Part 6: Certain phthalates esters in toys and children's products

8.11 Melamines Content for Harmful Substances in Food (Amendment) Regulation 2008 (L.N. 215 of 2008)

CTS-FD-215-1
2013-01

Determination of Melamine in Dairy Product by LC-MS/MS

CTS-FD-215-2
2011-09

Melamine in General Food by LC-MS/MS

8.12 Azo Dyes Content for Entry 43 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006

ISO 17234-1 2010-02	Leather - Chemical tests - Determination of certain azo colorants in dyed leathers <i>(withdrawn standard method)</i>
ISO 17234-2 2011-03	Leather - Chemical tests - Detection of the use of certain azo colorants, which may release 4-Aminoazobenzene
EN ISO 14362-1 2017-02	Textiles - Methods for the determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible without extraction
EN ISO 14362-3 2017-02	Textile - 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
DIN EN ISO 14362-1 2017-05	Textiles - Methods for the determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible without extraction
DIN EN 14362-3 2017-05	Textile - 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
BS EN ISO 14362-1 2017-02	Textiles - Methods for the determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible without extraction
BS EN 14362-3 2017-02	Textile - 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
ASU B 82.02-2 2013-01	Textiles - Methods for the determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible without extraction
ASU B 82.02-3 (V) 2014-02	Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colorants
ASU B 82.02-9 2014-02	Determination of the use of azo dyes which may release the 4-Aminoazobenzene
ASU B 82.02-15 2013-01	Textile - 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

8.13 Ni Release for Entry 27 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006

EN 1811:2011+A1:2015 2015-08	Reference test method for release of nickel from products intended to come into direct and prolonged contact with the skin
EN 12472:2005+A1:2009 2009-07	Method for the simulation of wear and corrosion for the detection of nickel release from coated items
DIN EN 1811:2011+ A1:2015 2015-10	Reference test method for release of nickel from products intended to come into direct and prolonged contact with the skin
DIN EN 12472:2009 2009-09	Method for the simulation of wear and corrosion for the detection of nickel release from coated items
BS EN 1811:2011+A1:2015 2015-08	Reference test method for release of nickel from products intended to come into direct and prolonged contact with the skin
BS EN 12472:2005+A1:2009 2010-03	Method for the simulation of wear and corrosion for the detection of nickel release from coated items

8.14 End-of-Life Vehicles (ELV)

ISO 17075-1 2017-02	Leather - Chemical determination of chromium(VI) content in leather - Part 1: Colorimetric method
ISO 17075-2 2017-02	Leather - Chemical determination of chromium(VI) content in leather - Part 2: Chromatographic method
EPA 3051A 1998-01	Microwave assisted acid digestion of sediments, sludges, soils and oils (Modification: <i>Applied only for plastics</i>)
EPA 3052 1996-12	Microwave assisted acid digestion of siliceous and organically based matrices
EPA 3060A 1996-12	Alkaline digestion for hexavalent chromium
IEC 62321-1 Edition 1.0 2013-05	Determination of certain substances in electrotechnical products - Part 1: Introduction and overview

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IEC 62321-2 Edition 1.0 2013-06	Determination of certain substances in electrotechnical products - Part 2: Disassembly, disjointment and mechanical sample preparation
IEC 62321-3.1 Edition 1.0 2013-06	Determination of certain substances in electrotechnical products - Part 3-1: Screen-Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry
IEC 62321-4 Edition 1.0 2013-06	Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AFS, CV- AAS, ICP-OES and ICP-MS (Modification: <i>Applied only for ICP-OES and ICP-MS</i>)
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: <i>Applied only for AAS, ICP-OES and ICP-MS</i>)
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)
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
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
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) (Modification: <i>Applied only for GC-MS</i>)

**8.15 Dimethylfumarate Content for Entry 61 of Regulation (EC) No 552/2009 amending
Annex XVII of REACH Regulation (EC) No 1907/2006**

CTS-SL-244-1 2008-12	Determination of Dimethyl Fumarate content in leather, PU leather, rubber and silica gel pellet by GC/MS method
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CTS-SL-244-2 2009-09	Determination of Dimethyl Fumarate content in leather, PU leather, rubber and silica gel pellet using Methanol extraction by GC/MS method
CTS-SL-244-3 2012-04	Determination of Dimethyl Fumarate content in leather, PU leather, and silica gel pellet using ethyl acetate extraction by GC/MS method

8.16 Organostannic Compound for Entry 20 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006

ISO 17353 2004-09	Water quality - determination of selected organotin compounds -gas chromatographic method (Modifications: <i>1) only applied for textiles, leather, plastics and ink - 2) Extraction by ultrasonic extraction with ethanoic carbamate solution</i>)
DIN EN ISO 17353 2005-11	Water quality - determination of selected organotin compounds -gas chromatographic method (Modifications: <i>1) Only applied for textiles, leather, plastics and ink - 2) Extraction by ultrasonic extraction with ethanoic carbamate solution</i>)
BS ISO 17353 2004-09	Water quality - determination of selected organotin compounds -gas chromatographic method (Modifications: <i>1) Only applied for textiles, leather, plastics and ink - 2) Extraction by ultrasonic extraction with ethanoic carbamate solution</i>)
ISO/TS 16179 2012-08	Footwear - Critical substances potentially present in footwear and footwear components - Determination of organotin compounds in footwear materials
CTS-SL-205-1 2018-04	Determination of Organotin Content in Textile, Plastic, Leather and Chemical Formulations with Extraction Facilitated by Carbamate solution

8.17 Migration of Certain Elements for DIRECTIVE 2009/48/EC and its Amendment Council Directive (EC) 2017/738 and Directive (EC) 2018/725

EN 71-3 2018-06	Safety of Toys - Part 3: Migration of certain elements
DIN EN 71-3 2018-08	Safety of Toys - Part 3: Migration of certain elements

BS EN 71-3 Safety of Toys - Part 3: Migration of certain elements
2019-04

8.18 Bisphenol-A Content for US Suffolk County Toxin Free Toddler, Babies Act and US State of Minnesota SF 247 (86th Legislative Session 2009-2010), US City of Chicago (Illinois) - BPA-Free Kids Ordinance Section 7-28-637 Chapter 7-28, Municipal Code of Chicago, US State of Connecticut Public Act 09-103 (HB 6527), US Albany County Local Law 'C' for 2009 and US Schenectady County Local Law No. 02-2009

CTS-HL-229-1 Bisphenol A in Plastic by High Performance Liquid Chromatograph with
2013-01 Tandem mass spectrometer (HPLC-MS-MS)

8.19 Volatile Organic Compounds (VOC) for AIR POLLUTION CONTROL VOLATILE ORGANIC COMPOUNDS REGULATION Schedule 7 2010-01

SCAQMD 316A-92 Determination of volatile Organic Compounds (VOC) in Materials
1996-10 Used for Pipes and Fittings

CTS-SL-220-4 Determination of Volatile Organic Compounds (VOCs) & Halogenated
2018-03 Solvents in textile, leather, plastic and chemical formulations by GC-MS method

8.20 Formamide Content for French Decree of 26 October, 2015

CTS-HL-233-1 N,N-Dimethylformamide, N-Methylformamide, Acetophenone,
2011-08 2-Phenyl-2-propanol and Formamide in Polyethylene (PE), Polystyrene (PS), Polyurethane (PU) and Ethylene-Vinyl Acetate (EVA) by GC-MS

8.21 N-Nitrosamines and N-Nitrosatable Substances Content for DIRECTIVE 2009/48/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 June 2009 on the Safety of Toys

EN 71-12 Safety of toys - Part 12: N-Nitrosamines and N-nitrosatable
2016-12 substances

DIN EN 71-12 Safety of toys - Part 12: N-Nitrosamines and N-nitrosatable
2016-12 substances

BS EN 71-12 Safety of toys - Part 12: N-Nitrosamines and N-nitrosatable
2016-12 substances

8.22 Vinylchloride Monomer Content for 78/142/EEC and 80/766/EEC

ASU B 80.32-1(EG) Determination of the vinylchloride monomer content in commodity
1981-11 goods

8.23 Polycyclic Aromatic Hydrocarbon Content for AfPS GS 2014:01 PAK, 2014-08

AfPS GS 2014:01 PAK 2014-08	Product Safety Commission (AfPS) GS Specification: Testing and assessment of polycyclic aromatic hydrocarbons (PAHs) in the course of awarding the GS mark- Specification pursuant to article 21(1) no. 3 of the Product Safety Act (ProdSG)
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8.24 Hexavalent Chromium Content for Commission Regulation (EC) No. 301/2014 amending Entry 47 of Annex XVII of REACH Regulation (EC) No 1907/2006

ISO 17075-1 2017-02	Leather - Chemical determination of chromium(VI) content in leather - Part 1: Colorimetric method
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ISO 17075-2 2017-02	Leather - Chemical determination of chromium(VI) content in leather - Part 2: Chromatographic method
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8.25 Formaldehyde Emission Content for US EPA 40 CFR 770

US EPA 40 CFR Part 770 2019-08	US EPA Toxic Substances Control Act (TSCA) Title VI : Formaldehyde Standards for Composite Wood Products
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ASTM D6007 2014-01	Determination of formaldehyde concentration in air from wood products using small scale chamber
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8.26 Formaldehyde Emission Content for US California Code of Regulation

US California Code of regulation 2008-04	Section 93120.2, Title 17: Formaldehyde Emission Standards for Hardwood Plywood (HWPW), Particleboard (PB), and Medium Density Fiberboard (MDF)
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ASTM D6007 2014-01	Determination of formaldehyde concentration in air from wood products using small scale chamber
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abbreviations used:

AfPS	Ausschuss für Produktsicherheit
AOAC	ASSOCIATION OF OFFICIAL ANALYTICAL COLLABORATION (AOAC) INTERNATIONAL
AS	Australian Standard
ASTM	American Society for Testing and Materials
ASU	Amtliche Sammlung von Untersuchungsverfahren nach § 64 LFGB
BS	British Standard
CARB	California Environmental Protection Agency - Air Resources Board
CEN/TS	Standard of European Committee for Standardization
CPSC	U.S. Consumer Product Safety Commission
DIN	German Institute for Standardization
EC (EEC)	Official Journal of the European Communities
EPA	U.S. Environmental Protection Agency
JIS	Japanese Industrial Standards
LFGB	German Food and Feed Code
SCAQMD	South Coast Air Quality Management District, USA
CDXXX	SGS Hong Kong Laboratory In-House Test Method
CTS-XX-YYY-Z	SGS Hong Kong Laboratory In-House Test Method
FOOD.XXX	SGS Hong Kong Laboratory In-House Test Method