

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-11097-01-00 according to ISO/IEC 17025:2017

Period of validity: 06.04.2021 to 16.08.2022

Date of issue: 06.04.2021

Holder of certificate:

**TÜV Rheinland (Shanghai) Co., Ltd.
11th~13th Floor, TÜV Rheinland Building, No.177,
Lane 777, West Guangzhong Road, Jing'an District
Shanghai 200072, People's Republic of China**

Tests in the fields:

physical, physico-chemical, chemical and mechanical testing of electrical and electronic equipment, toys, textiles, leather and leather goods, plastics, rubber, woods, paper as well as materials and products intended to come into contact with foodstuffs, and biodegradable materials

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

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

The management system requirements of ISO/IEC 17025 are written in language relevant to operations of testing laboratories. Laboratories that conform to the requirements of this standard, operate generally in accordance with the principles of DIN EN ISO 9001.

*The certificate together with the annex reflects the status as indicated by the date of issue.
The current status of any given scope of accreditation may be found respectively in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH <https://www.dakks.de/en/content/accredited-bodies-dakks>*

1 Physico-chemical and chemical tests of textiles, plastics, leather, rubber, wood, paper, food contact materials and toys

ISO 3071 2020-01	Textiles - Determination of pH of aqueous extract
ISO 4045 2018-05	Leather - Determination of pH and difference figure
ISO 8124-3:2020 2020-03 AS/NZS 8124.3: 2012+A1:2016 2016-06	Safety of toys - Part 3: Migration of certain elements
ISO 14184-1 2011-08	Textiles - Determination of Formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method)
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 with and without extraction
ISO 14362-3 2017-02	Textiles - 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
ISO 16000-6 2011-12	Indoor air - Part 6: Determination of volatile organic compounds in indoor and test chamber air by active sampling on Tenax TA sorbent, thermal desorption and gas chromatography using MS/FID
ISO 16000-9 2006-02	Indoor air - Part 9: Determination of the emission of volatile organic compounds from building products and furnishing - Emission test chamber method
ISO 17075-1 2017-02	Leather - Chemical tests - Determination of chromium VI content in leather - Part 1: Colorimetric method
ISO 17226-1 2018-12	Leather - Chemical determination of formaldehyde content - Part 1: Method using high performance liquid chromatography
ISO 17234-1 2020-08	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 71-3:2019 2019-04 DIN EN 71-3:2019 2019-08 BS EN 71-3:2019 2019-04	Safety of toys - Part 3: Migration of certain elements
EN 71-10 2005-12	Safety of toys - Part 10: Organic chemical compounds - Sample preparation and extraction - <i>Only for EN 71-9 Table 2A Flame retardants, Table 2B Colourants, Table 2C Primary aromatic amines, Table 2D Monomers (migration), Table 2E solvents(migration), Table 2F Solvents (inhalation), Table 2G a) & b) Wood preservatives, Table 2H Preservatives (other than wood preservatives), Table 2I Plasticisers (migration) and Colorfastness to Perspiration</i>
EN 71-11 2005-11	Safety of toys - Part 11: Organic chemical compounds Methods of analysis <i>Only for EN 71-9 Table 2A Flame retardants, Table 2B Colourants, Table 2C Primary aromatic amines, Table 2D Monomers (migration), Table 2E solvents(migration), Table 2F Solvents (inhalation), Table 2G a) & b) Wood preservatives, Table 2H Preservatives (other than wood preservatives), Table 2I Plasticisers (migration) and Colorfastness to Perspiration</i>
EN 717-1 2004-10	Wood-based panels - Determination of formaldehyde release - Part 1: Formaldehyde emission by chamber method
EN 717-3 1996-03	Determination of formaldehyde release Part 3 - formaldehyde release by flask release
EN 1811:2011+A1:2015 2015-07	Reference test method for the release of nickel from products intended to come into direct and prolonged contact with the Skin
EN 12472:2020 2020-09	Method for the simulation of wear and corrosion for the detection of nickel release from coated items
BS EN ISO 17070 2015-02	Leather - chemical tests - determination of tetrachlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol content
DIN 54231 2005-11	Textile - Detection of disperse dyestuff
SNV 195651 1968	Textiles: Determination of odour development by equipment (qualitative analysis)

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AfPS 2014-08	GS Specification - Testing and Evaluation of Polycyclic Aromatic Hydrocarbons (PAH) for the Award of the GS Mark, by the Committee for Product Safety (AfPS), dated August 4th 2014
AfPS GS 2019: 01 PAH 2019-04	GS Specification - Testing and assessment of Polycyclic Aromatic Hydrocarbons (PAHs) in the awarding of GS Marks, by the Product Safety Commission (AfPS), dated 10 April 2019
ASTM D6007-14 2014-10	Standard Test Method for Determining Formaldehyde Concentrations in Air from Wood Products Using a Small-Scale Chamber
ASTM F 963-17 2017-08	Standard Consumer Safety Specification for Toy Safety- 4.3.3.2 Ceramic ware, lead ,and cadmium contamination 4.3.5 Heavy elements 4.3.5.1 Paint and Similar Surface-Coating Materials 4.3.5.2 Toy Substrate Materials 8.3 Test methods for Determination of Heavy Elements Content in Toys, Toy Components and Materials
ASU B 80.32-1 1981-11	Determination of the vinylchloride monomer content in commodity goods
ASU B 82.02-2 2013-01	Textiles - Method of the determination of certain aromatic amines derived from azo colourants - Part 1: Detection of the use of certain azo colorants accessible with and without extraction
CPSC-CH-C1001-09.4 2018-01	Standard Operating Procedure for Determination of Phthalates
CPSC-CH-E1002-08.3 2012-11	Standard Operating Procedure for Determining Total Lead (Pb) in Non-metal Children's Products

Regulation (EU) 1007/2011
Annex VIII, Chapter 2, IV
Last amended 26.01.2018

Regulation on textile fibre names and related labelling and marking of the fibre composition of textile products and repealing Council Directive 73/44/EEC and Directives 96/73/EC and 2008/121/EC of the European Parliament and of the Council - Methods for the quantitative analysis of binary and ternary textile fibre mixtures - Methods for quantitative analysis of certain binary textile fibre mixtures - special methods

Method 1 ACETATE AND CERTAIN OTHER FIBRES (Acetone method),
Method 2 CERTAIN PROTEIN FIBRES AND CERTAIN OTHER FIBRES (Method using hypochlorite),
Method 3 VISCOSE, CUPRO OR CERTAIN TYPES OF MODAL AND CERTAIN OTHER FIBRES (Method using formic acid and zinc chloride),
Method 4 POLYAMIDE OR NYLON, AND CERTAIN OTHER FIBRES (Method using 80 % m/m formic acid),
Method 7 CERTAIN CELLULOSE FIBRES AND CERTAIN OTHER FIBRES (Method using 75 % m/m sulphuric acid),
Method 8 ACRYLICS, CERTAIN MODACRYLICS OR CERTAIN CHLOROFIBRES AND CERTAIN OTHER FIBRES (Method using dimethylformamide),
Method 11 SILK AND CERTAIN OTHER FIBRES (Method using 75 % m/m sulphuric acid)
Method 15 CHLOROFIBRES, CERTAIN MODACRYLICS, CERTAIN ELASTANES, ACETATES, TRIACETATES AND CERTAIN OTHER FIBRES (Method using cyclohexanone)

PD CR 12471
2002-08

Screening tests for nickel release from alloys and coatings in items that come into direct and prolonged contact with the skin

MS-0023120
2019-08

Work Instruction for Determination of phthalates in plastics by GC-MS

MS-0008491_en
2018-03

Determination of total lead content in Paint and Other Similar Surface Coatings according to CPSC-CH-E1003-09.1

MS_0010144_en
2019-12

Harmonised testing instruction of determination of short chain chlorinated paraffin (SCCP) with GC-CIMS analysis

MS_0023159_en
2017-06

Work Instruction for Determination of extractable heavy metals according to ISO 105 E04

MS_0023187_en
2017-06

Work Instruction for Determination of nonyl phenol in plastic by GC-MS

MS_0023194_en
2017-06

Test instruction for determination of Chlorinated Phenols in wood, textiles and leathers

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MS-0023223 2019-08	Work instruction for Determination of disperse dyestuffs
MS-0039997-Spec03 2020-09	Work instruction for Determination of dimethylfumarate in leather and fabric by GC-MS
MS_0023448_en 2017-06	Work instruction for Determination of organo tin compounds in plastic and textile materials by GC-MS
MS_0023811_en 2017-07	Work Instruction for Determination of Benzene, Toluene, Xylene & Ethyl benzene by GC-MS

2 Physical testing of toys

ISO 8124-1:2018 Amd1+Amd2:2020 2020-06 AS/NZS ISO 8124-1 2019-05	Safety of toys - Part 1: Safety aspects related to mechanical and physical properties <i>(here only Chapter 5, except 5.1)</i>
ISO 8124-2 2014-08 AS/NZS ISO 8124-2 2016-06	Safety of toys - Part2: Flammability <i>(here only Chapter 5, except 5.1)</i>
EN 71-1:2014+A1 2018-06 BS EN 71-1:2014+A1 2018-07 DIN EN 71-1:2018 2018-12	Safety of toys - Part 1: Mechanical and physical properties <i>(here only chapter 8)</i>
EN 71-2:2011+A1:2014 2014-03 BS EN 71-2:2011+ A1:2014 2014-05 DIN EN 71-2:2011+ A1:2014 2014-07	Safety of toys – Part 2: Flammability <i>(here only Chapter 5)</i>
EN 71-8:2018 2018-01 BS EN 71-8:2018 2018-02 DIN EN 71-8:2018 2018-03	Safety of toys - Part 8: Activity toys for domestic use <i>(here only Chapter 6)</i>

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EN 71-14:2018 2018-12	Safety of toys - Part 14: Trampolines for domestic use
EN 1400:2013+A2:2018 2018-09	Child use and care articles. Soothers for babies and young children - Safety requirements and test methods
EN 14350-1 2004-08	Child use and care articles - Drinking equipment - Part 1: General and mechanical requirements and tests
EN 14682 2014-11	Safety of children's clothing - Cords and drawstrings on children's clothing – Specifications
ASTM F 963-17 2017-08	Standard Consumer Safety Specification for Toy Safety 8.5 Normal use testing 8.6 Abuse testing 8.7 Impact Test 8.8 Torque test for removal of components 8.9 Tension test for removal of components 8.10 Compression test 8.11 Tests for removal and snap-in wheel and axle assembly removal 8.12 Flexure test 8.13 Test for mouth-actuated toys and mouth-actuated projectile toys 8.14 Projectiles 8.15 Test for stability of ride-on toys or toy seats 8.16 Pompoms 8.17 Stalled motor test for battery-operated toys 8.20 Tests for toys which produce noise 8.21 Dynamic strength test for wheeled ride-on toys 8.22 Packaging film thickness 8.23 Test for loops and cords 8.24 Yo Yo Elastic Tether Toy Test Methods 8.25 Magnet test methods 8.26 Test methods for locking mechanisms or other means 8.27 Tests for toy chest lids and closures 8.28 Test for overload of ride-on toys and toy seat 8.29 Stuffing materials evaluation 8.30 Expanding materials-test method
16 CFR 1500.44 2019-01	Method for determining extremely flammable and flammable solids

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16 CFR 1500.48 2019-01	Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of age d) sharp point test method
16 CFR 1500.49 2019-01	Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age - not over 36 months of age d) sharp point test method
16 CFR 1500.50 2019-01	Test methods for simulating use and abuse of toys and other articles intended for use by children
16 CFR 1500.51 2019-01	Test methods for simulating use and abuse of toys and other articles intended for use by children 18 months of age or less
16 CFR 1500.52 2019-01	Test methods for simulating use and abuse of toys and other articles intended for use by children over 18 but not over 36 months of age
16 CFR 1500.53 2019-01	Test methods for simulating use and abuse of toys and other articles intended for use by children over 36 but not over 96 months of age
16 CFR 1501 2019-01	Method for identifying toys and other articles intended for use by children under 3 years of age which present choking, aspiration, or ingestion hazards because of small parts

Abbreviations used:

ASTM	American Society for Testing and Materials
CPSC	Consumer Product Safety Commission
DIN	Deutsches Institut für Normung
EN	European Standard
ISO	International Organisation for Standardisation
IEC	International Electrotechnical Commission
SNV	Swiss Association for Standardization
MS-000XXX_en	Laboratory in-house test method of TÜV Rheinland Greater China