

## Deutsche Akkreditierungsstelle GmbH

### Annex to the Accreditation Certificate D-PL-11180-01-00 according to ISO/IEC 17025:2005

Period of validity: 22.03.2019 to 27.07.2022

Date of issue: 22.03.2019

Holder of certificate:

**TÜV Rheinland Hong Kong Ltd.**

**3-4, 11/F., Fou Wah Industrial Building, 10-16 Pun Shan Street, Tsuen Wan, New Territories, HONG KONG SAR  
People's Republic of China**

Tests in the fields:

**chemical and physico-chemical testing of toys, textiles, plastics, wood, leather, fashion accessories and electrical and electronic equipment; physical, mechanical and electrical testing of toys; materials coming into contact with food; physical tests of textiles**

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

**The laboratory maintains a current list of all test methods in a flexible scope of accreditation.**

Abbreviations used: see last page

**1 Selected physico-chemical and chemical tests of electrical and electronic equipment according to the requirements of RoHS directive**

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|---|---|
| <p>EN 62321<br/>2009-04<br/>BS EN 62321<br/>2009-05</p> | <p>Electrotechnical products - Determination of levels of six regulated substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers)</p>            |
| <p>IEC 62321<br/>2008-08</p>                            | <p>Electrotechnical products - Determination of levels of six regulated substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers)</p>            |
| <p>IEC 62321-1<br/>Edition 1.0:2013</p>                 | <p>Determination of certain substances in electrotechnical products- Part 1 : Introduction and overview</p>   |
| <p>IEC 62321-2<br/>Edition 1.0:2013</p>                 | <p>Determination of certain substances in electrotechnical products- Part 2 : Disassembly, disjointment and mechanical sample preparation</p>   |
| <p>IEC 62321-3.1<br/>Edition 1.0: 2013</p>              | <p>Determination of certain substances in electrotechnical products- Part 3-1 : Screen-Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry</p>                    |
| <p>IEC 62321-4<br/>Edition 1.0:2013</p>                 | <p>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</p>                                       |
| <p>IEC 62321-5<br/>Edition 1.0:2013</p>                 | <p>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</p>   |
| <p>IEC 62321-7<br/>Edition 1.0:2015</p>                 | <p>Electrotechnical products - Determination of levels of Chromium (VI)</p>   |
| <p>IEC 62321-6<br/>Edition 1.0:2015</p>                 | <p>Determination of certain substances in electrotechnical products – Part 6: Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography–mass spectrometry (GC-MS)</p> |

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EN 1122 method B  
2001-03  
BS EN 1122 method B  
2001-05  
DIN EN 1122 method B  
2002-02

Plastics - Determination of Cadmium - Wet Decomposition Method

MS-0021897\_en  
2017-04

Standard Operating Procedure for Determination of total cadmium in coating, plastic and metal using ICP-OES

MS-0021898\_en  
2017-04

Standard Operating Procedure for Determination of total cadmium in coating, plastic and metal using AAS

**2 Selected physico-chemical and chemical tests of wood, textiles, leather, plastics, rubber and toys as well as fashion accessories and indoor air**

EN 1122 Method B  
2001-03  
BS EN 1122 Method B  
2001-05  
DIN EN 1122 Method B  
2002-02

Plastics - Determination of cadmium - Wet decomposition method

CPSC-CH-C1001-09.3  
2010-04

Standard Operating Procedure for Determination of Phthalates

CPSC-CH-C1001-09.4  
2018-01

Standard Operating Procedure for Determination of Phthalates

ZEK 01.4-08

Prüfung und Bewertung von Polycyclischen Aromatischen Kohlenwasserstoffen (PAK) bei der GS-Zeichen-Zuerkennung  
*Testing and Validation of Polycyclic Aromatic Hydrocarbons (PAH) in the course of GS-Mark Certification*

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

ASU B 82.02-8  
2001-06

Leather and Textile - Chemical Tests - Determination of Pentachlorophenol Content (reference method);  
Nachweis und Bestimmung von Pentachlorophenol in Bedarfsgegenständen, insbesondere aus Leder und Textilien (als Referenzverfahren)

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| DIN 54231<br>2005-11   | Textiles - Detection of disperse dyestuffs;<br>Textilien - Nachweis von Dispersionsfarbstoffen  |
| ISO 14184-1<br>2011-08<br>EN ISO 14184-1<br>2011-08<br>BS EN ISO 14184-1<br>2011-08<br>DIN EN ISO 14184-1<br>2011-05 (DRAFT) | Textiles - Determination of formaldehyde - Part 1: Free and hydrolysed formaldehyde (water extraction method)                         |
| JIS L1041-2000, Sec 6.3.1 (2)<br>Method B<br>2000  | Japanese Industrial Standard - Testing methods for resin finished textiles  |
| DIN 53314<br>1996-04   | Testing of Leather - Determination of chromium (VI) content in Leather ( <i>withdrawn standard</i> )                                  |
| ISO 17075-1<br>2017-02<br>EN ISO 17075-1<br>2017-02<br>DIN EN ISO 17075-1<br>2017-05   | Leather - Chemical determination of chromium(VI) content in leather - Part 1: Colorimetric method                                     |
| EN 420 Annex B<br>2003-09+A1 :2009-11<br>BS EN 420 Annex B<br>2003-09+2011-08<br>DIN EN 420 Annex B<br>2010-03               | Protective gloves - General requirements and test methods<br>Annex B: Leather - chemical tests - Determination of chromium VI content |
| ISO 4045<br>2018-05<br>EN ISO 4045<br>2018-06<br>BS EN ISO 4045<br>2018-06<br>DIN EN ISO 4045<br>2018-09                     | Leather - Chemical tests - Determination of pH and difference figure  |

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| ISO 3071<br>2005-06<br>EN ISO 3071<br>2006-3<br>BS EN ISO 3071<br>2006-03<br>DIN EN ISO 3071<br>2006-05  | Textile - Determination of pH of aqueous extract  |
| EN 1413<br>1998-03<br>BS EN 1413<br>1998-08<br>DIN EN 1413<br>1998-05  | Textile - Determination of pH of aqueous extract<br>( <i>withdrawn standard</i> )                               |
| SNV 195651<br>1968-03  | Textilien: Bestimmung der Geruchsentwicklung von<br>Ausrüstungen (Sinnenprüfung)                                |
| DIN EN ISO 17226-2<br>2008-08<br>ISO 17226-2<br>2008-05 /Cor.1:2009<br>EN ISO 17226-2<br>2008-05   | Leather - Chemical determination of formaldehyde content -<br>Part 2: Method using colorimetric analysis        |
| EN 717-3<br>1996-03<br>BS EN 717-3<br>1996-09<br>DIN EN 717-3<br>1996-05   | Wood-based panels - Determination of formaldehyde release -<br>Part 3. Formaldehyde release by the flask method |
| EN 71-3<br>1994-12<br>Amendment A1:2000-04 + AC<br>2002-07<br>DIN EN 71-3<br>2002-11<br>BS EN 71-3<br>1995-06<br>Amendment A1:<br>2001-04 + AC:2006-06 | Safety of toys - Part 3: Migration of certain elements  |

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| EN 71-3: 2013+A3:2018<br>DIN EN 71-3<br>2018-08<br>BS EN 71-3: 2013+ A3:2018 | Safety of toys – Part 3: Migration of certain elements   |
| ISO 8124-3: 2010 + A1:2014 +<br>A2:2018<br>2014-05<br>2018-09                | Safety of toys - Part 3: Migration of certain elements   |
| AS/NZS ISO 8124-3<br>2012-01<br>AS/NZS 8124-3:2012 + A1:2016<br>2016-06      | Safety of toys - Part 3: Migration of certain elements   |
| ASTM F963-16<br>2016-10  | Standard Consumer Safety Specification for Toy Safety -<br>Clause 8.3 Test Methods for Determination of Heavy Element<br>Content in Toys, Toy Components and Materials                                       |
| ASTM F963-17<br>2017-08  | Standard Consumer Safety Specification for Toy Safety -<br>Clause 8.3 Test Methods for Determination of Heavy Element<br>Content in Toys, Toy Components and Materials                                       |
| CPSC-CH-E 1001-8.3<br>2012-11  | Standard Operating Procedure for Determining Total Lead (Pb)<br>in Children's Metal Products (Including Children's Metal<br>Jewellery)<br>(here: <i>Only Method B</i> )                                      |
| EN 14362-1<br>2012-02  | Textiles - Methods for determination of certain aromatic<br>amines derived from azo colorants<br>Part 1 : Detection of the use of certain azo colorants accessible<br>with and without extracting the fibres |
| EN ISO 14362-1:2017<br>ISO 14362-1:2017                                      | Textiles – Methods for determination of certain aromatic<br>amines derived from azo colorants<br>Part 1 : Detection of the use of certain azo colorants accessible<br>with and without extracting the fibres |
| EN 14362-3<br>2012-06  | Textiles - Methods for determination of certain aromatic<br>amines derived from azo colorants<br>Parts 3 : Detection of the use of certain azo colorants, which<br>may release 4-aminoazobenzene             |

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| <p>EN ISO 14362-3:2017<br/>ISO 14362-3:2017</p>  | <p>Textiles - Methods for determination of certain aromatic amines derived from azo colorants<br/>Part 3 : Detection of the use of certain azo colorants, which may release 4-aminoazobenzene</p>                 |
| <p>BS EN ISO 17234-1:2010<br/>ISO 17234-1:2010<br/>EN ISO 17234-1:2010<br/>2010-02</p>         | <p>Leather - Chemical tests - Determination of certain azo colourants in dyed leathers</p>  |
| <p>BS EN ISO 17234-2:2011<br/>ISO 17234-2:2011<br/>EN ISO 17234-2:2011</p>                     | <p>Leather - Chemical tests for the determination of certain azo colorants in dyed leathers<br/>Part 2 : Determination of 4-aminoazobenzene</p>   |
| <p>BS EN ISO 17234-1:2015<br/>ISO 17234-1:2015<br/>EN ISO 17234-1:2015</p>                     | <p>Leather – Chemicals tests for the determination of certain azo colorants in dyed leathers – Part 1: Determination of certain aromatic amines derived from azo colorants</p>                                    |
| <p>CPSC-CH-E 1002-8.3<br/>2012-11</p>  | <p>Standard Operating Procedure for Determining Total Lead (Pb) in Non-Metal Children's Products</p>  |
| <p>CPSC-CH-E 1003-9.1<br/>2011-02</p>  | <p>Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings</p>   |
| <p>CPSC-CH-E 1004-11<br/>2011-02</p>   | <p>Standard Operating Procedure for Determining Cadmium (Cd) Extractability from Children’s Metal Jewellery</p>   |
| <p>ISO/TS 16179: 2012<br/>2012-08</p>  | <p>Footwear — Critical substances potentially present in footwear and footwear components — Determination of organotin compounds in footwear materials</p>  |
| <p>EN 1811 : 2011 + AC: 2012<br/>BS EN 1811: 2011+ AC: 2012<br/>DIN EN 1811<br/>2015-10</p>    | <p>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</p> |
| <p>EN 12472 : 2005 + A1 2009<br/>BS EN 12472 : 2005 + A1 2009<br/>DIN EN 12472<br/>2009-09</p> | <p>Method For The Simulation Of Wear And Corrosion For The Detection Of Nickel Release From Coated Items</p>  |
| <p>EN 71-12:2013<br/>BS EN 71-12:2013<br/>DIN EN 71-12<br/>2013-07</p>                         | <p>Safety Of Toys - Part 12: N-Nitrosamines And N-Nitrosatable Substances</p>   |

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| <p>EN 71-12: 2016<br/>BS EN71-12:2016<br/>DIN EN71<br/>2017-03</p> | <p>Safety Of Toys - Part 12: N-Nitrosamines And N-Nitrosatable Substances</p>   |
| <p>CDPH/EHLB<br/>standard method v.1.1<br/>2010-02</p>             | <p>Standard method for the testing and evaluation of volatile organic chemical emission from indoor sources using environmental chambers Version 1.1 - CDPH/EHLB standard method v.1.1</p>            |
| <p>ANSI/BIFMA M7.1/<br/>X7.1-2011(R2016)</p>                       | <p>Standard Test Method for determining VOC emissions from office furniture systems, components and seating</p>   |
| <p>ISO 16000-3<br/>2011</p>  | <p>Indoor air - Part 3: Determination of formaldehyde and other carbonyl compounds--Active sampling method</p>  |
| <p>ISO 16000-6<br/>2011</p>  | <p>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</p> |
| <p>ISO 16000-9<br/>2006</p>  | <p>Indoor air - Part 9: Determination of the emission of volatile organic compounds from building products and furnishing - Emission test chamber method</p>  |
| <p>ISO 16000-11<br/>2006</p>                                       | <p>Indoor air - Part 11: Determination of the emission of volatile organic compounds from building products and furnishing - Sampling, storage of samples and preparation of test specimens</p>       |
| <p>ASTM D5116<br/>2010</p>   | <p>Standard Guide for Small-Scale Environmental Chamber Determination of Organic Emissions From Indoor Materials/Products</p>   |
| <p>ASTM D6007<br/>2002<br/>Reapproved<br/>2008</p>                 | <p>Standard Test Method for Determining Formaldehyde Concentration in Air from Wood Products Using a Small Scale Chamber</p>  |
| <p>ASTM D6007-2014</p>   | <p>Standard Test Method for Determining Formaldehyde Concentrations in Air from Wood Products Using a Small-Scale Chamber</p>   |
| <p>EN 717-1:2004</p>   | <p>Wood-based panels. Determination of formaldehyde release. Formaldehyde emission by the chamber method</p>  |



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| MS-0021897_en<br>2017-04 | Standard Operating Procedure for Determination of total cadmium in coating, plastic and metal using ICP-OES                                  |
| MS-0021898_en<br>2017-04 | Standard Operating Procedure for Determination of total cadmium in coating, plastic and metal using AAS                                      |
| MS-0021899_en<br>2017-04 | Standard Operating Procedure for Determination of chromium and nickel content in metal alloy and stainless steel alloy using ICP-OES         |
| MS-0021901_en<br>2017-04 | Standard Operating Procedure for Determination of chromium and nickel content in metal alloy and stainless steel alloy using XRF             |
| MS-0022231_en<br>2017-05 | Determination of Nonylphenol (NP) and Octylphenol (OP) in plastic and textile by GCMS  |
| MS-0022232_en<br>2017-05 | Determination of Chlorinated Phenol in wood, textiles and leather  |
| MS-0021903_en<br>2017-04 | Standard Operating Procedure for ASTM F963-11 Clause 4.3.7 Stuffing Materials  |
| MS-0021906_en<br>2017-04 | Standard Operating Procedure for Determination of total lead and arsenic content in stuffing materials (with reference to CPSC-CH-E1002-08.3 |
| MS-0022234_en<br>2017-05 | Test Instruction of Determination of Benzene, Toluene, Xylene, Ethyl benzene, Cyclohexanone & Trichlorobenzene by GC-MS                      |
| MS-0021907_en<br>2017-04 | Standard Operating Procedure for Determination of heavy metal content in packaging materials - Pb, Cd, Cr, Hg (EPA 3052 +ICP-OES)            |
| MS-0022235_en<br>2017-05 | Determination of Harmful Organophosphorus Compounds TCEP, TCPP and TDCPP in toys sample by GCMS  |

## 2.1 Test method applied with EN 71 part 9

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| EN 71 Part 10<br>2005-12 | <p>Safety of toys, Part 10: Organic chemical compounds - Sample preparation and extraction<br/>Clause 8.1.1 Flame retardants (For EN71 Part 9-Table 2A)</p> <p>Clause 8.1.3, Clause 8.2.1, Clause 8.3.1, Clause 8.4.1, Clause 8.5.1, Clause 8.6, Clause 8.7.1, Clause 8.8.1, Clause 8.9.1<br/>Colorants (For EN71 Part9-Table 2B)</p> <p>Clause 8.1.4, Clause 8.2.2, Clause 8.3.2, Clause 8.4.2, Clause 8.5.2 Clause 8.6, Clause 8.7.2, Clause 8.8.2, Clause 8.9.2,<br/>Primary aromatic amine- (For EN71 Part9-Table 2 C)</p> <p>Clause 6 Monomers &amp; Solvent Migration (For EN71 Part 9 - Table 2D &amp; Table 2E)</p> <p>Clause 8.3.3 Wood preservatives (For EN71 Part9-Table 2Ga,2Gb)</p> <p>Clause 8.2.3, Clause 8.5.3, Clause 8.7.3, Clause 8.9.3,<br/>Preservatives (other than wood preservatives) (For EN71-9 – Table 2 H)</p> <p>Clause 6 Plasticizers (Migration) (For EN71 Part 9- Table 2I)</p> |
| EN 71 Part 11<br>2005-11 | <p>Safety of toys, Part 11: Organic chemical compounds - Methods of analysis<br/>Clause 5.2 Flame retardants (For EN71 Part 9-Table 2A)<br/>Clause 5.3 Colorants (For EN71 Part9-Table 2B)<br/>Clause 5.4 Primary aromatic amine (For EN71 Part9-Table 2C)<br/>Clause 5.5 Monomers and Solvent (Migration) (For EN71 Part 9 - Table 2D, Table2E)<br/><i>(Modification: for Acrylamide: LC-DAD-MS is used for analysis instead of LC-DAD, for Phenol and Bisphenol-A: LC-DAD-MS is used for analysis instead of LC-DAD-FLD)</i><br/>Clause 5.6 Wood Preservatives (For EN71-9 Table 2 G a) and b))<br/>Clause 5.7 Preservatives (For EN71-9 Table 2H) excluding free formaldehyde<br/>Clause 5.8 Plasticizers (For EN71-9 Table2I)</p>  |

## 3 Selected physico-chemical and chemical tests of Materials coming into contact with food

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| EN 1186-1<br>2002-04 | <p>Guide to the selection of conditions and test methods for overall migration</p> |
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| EN 1186-3<br>2002-07   | Test methods for overall migration into aqueous food simulants by total immersion   |
| EN 1186-9<br>2002-04   | Test methods for overall migration into aqueous food simulants by article filling   |
| EN1186-14<br>2002-09   | Test methods for 'substitute tests' for overall migration from plastics intended to come into contact with fatty foodstuffs using test media iso-octane and 95% ethanol   |
| EN 13130-1<br>2004-05  | 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 stimulants |
| EN 13130-23<br>2002-02   | Determination of formaldehyde and hexamethylenetetramine in food simulants<br><i>(here: formaldehyde only)</i>  |
| 61. Mitteilung: Bundesgesetzbl-<br>Gesundheitsforsch-<br>Gesundheitsschutz 46 S.362<br>2003-04 | Untersuchung von Bedarfsgegenständen aus Silicon -<br>Elastomeren - B. Bestimmung der flüchtigen Anteile  |
| MS-0021910_en<br>2017-04   | Standard Operating Procedure for Migration of heavy metal from metals and alloys used in food contact materials   |

**4 Physical testing of toys**

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|---|---|
| EN 71-1:2014+A1:2018<br>BS EN 71-1:2014+A1:2018<br>DIN EN 71-1<br>2018-08 | Safety of toys - Part 1: Mechanical and physical properties<br>Excluding:<br>4.11e) Mouth - actuated projectile toys<br>4.20.2.5 Toys using headphones or earphones |
| EN 71-2<br>2011+ A1:2014  | Safety of toys - Part 2: Flammability<br>Excluding:<br>Viscosity Test, Flammability of Liquids and gases  |
| ASTM F963-16<br>2016-10   | Standard Consumer Safety Specification for Toy Safety<br>Excluding:<br>Section 5 Labelling requirements, 6 Instruction literature,<br>7 Producer's markings.        |

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| <p>ASTM F963-17<br/>2017-08</p>   | <p>Standard Consumer Safety Specification for Toy Safety<br/>Excluding:<br/>Section 5 Labelling requirements, 6 Instruction literature, 7<br/>Producer's markings</p>  |
| <p>16 CFR 1500.44<br/>2017-03</p> | <p>US 16 CFR Federal Hazardous Substances Act Regulations<br/>16 Commercial Practices Chapter II - Consumer Product Safety<br/>Commission - Method for determining extremely flammable and<br/>flammable solids.</p>   |
| <p>16 CFR 1500.48<br/>2017-03</p> | <p>US 16 CFR Federal Hazardous Substances Act Regulations<br/>16 Commercial Practices Chapter II - Consumer Product Safety<br/>Commission - Technical requirements for determining a sharp<br/>point in toys and other articles intended for use by children under<br/>8 years of age</p>  |
| <p>16 CFR 1500.49<br/>2017-03</p> | <p>US 16 CFR Federal Hazardous Substances Act Regulations<br/>16 Commercial Practices Chapter II - Consumer Product Safety<br/>Commission - Technical requirements for determining a sharp<br/>metal or glass edge in toys and other articles intended for use by<br/>children under 8 years of age – not over 36 months of age.</p> |
| <p>16 CFR 1500.50<br/>2017-03</p> | <p>US 16 CFR Federal Hazardous Substances Act Regulations<br/>16 Commercial Practices Chapter II - Consumer Product Safety<br/>Commission - Test methods for simulating use and abuse of toys<br/>and other articles intended for use by children.</p>   |
| <p>16 CFR 1500.51<br/>2017-03</p> | <p>US 16 CFR Federal Hazardous Substances Act Regulations<br/>16 Commercial Practices Chapter II - Consumer Product Safety<br/>Commission - Test methods for simulating use and abuse of toys<br/>and other articles intended for use by children 18 months of age<br/>or less.</p>  |
| <p>16 CFR 1500.52<br/>2017-03</p> | <p>US 16 CFR Federal Hazardous Substances Act Regulations<br/>16 Commercial Practices Chapter II - Consumer Product Safety<br/>Commission - Test methods for simulating use and abuse of toys<br/>and other articles intended for use by children over 18 but not<br/>over 36 months of age.</p>                                     |
| <p>16 CFR 1500.53<br/>2017-03</p> | <p>US 16 CFR Federal Hazardous Substances Act Regulations<br/>16 Commercial Practices Chapter II - Consumer Product Safety<br/>Commission - Test methods for simulating use and abuse of toys<br/>and other articles intended for use by children over 36 but not<br/>over 96 months of age.</p>                                     |

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| 16 CFR 1501<br>2017-03                                  | US 16 CFR Federal Hazardous Substances Act Regulations<br>16 Commercial Practices Chapter II - Consumer Product Safety<br>Commission - Method for identifying toys and other articles<br>intended for use by children under 3 years of age which present<br>choking, aspiration, or ingestion hazards because of small parts. |
| 16 CFR 1511<br>2017-03                                  | US 16 CFR Federal Hazardous Substances Act Regulations<br>16 Commercial Practices Chapter II - Consumer Product Safety<br>Commission - Requirements for pacifiers   |
| AS/ NZS ISO 8124 -1<br>2013-05<br>AS/NZS 8124-1<br>2016 | Safety of toys Part 1: Safety aspects related to mechanical and<br>physical properties  |
| AS/NZS ISO 8124-2<br>2009-05<br>AS/NZS 8124-2<br>2016   | Safety of toys Part 2: Flammability<br>(excluding Viscosity & Flammability on liquid and gas)   |
| ISO 8124-1<br>2014-12                                   | Safety of toys - Part 1: Safety aspects related to mechanical and<br>physical properties  |
| ISO 8124-1<br>2018-03                                   | Safety of toys - Part 1: Safety aspects related to mechanical and<br>physical properties  |
| ISO 8124 -2<br>2014-08                                  | Safety of toys Part 2: Flammability<br>(excluding Viscosity & Flammability on liquid and gas)   |
| EN 14372<br>2004-11                                     | Child use and care articles. Cutlery and feeding utensils.<br>Safety requirements and tests<br>5. Requirements (excluding 5.4 chemical requirements)<br>6. Test Methods (excluding 6.3 Chemical tests)  |
| EN 14350-1<br>2004-11                                   | Child use and care articles - Drinking equipment - Part 1: General<br>and mechanical requirements and tests   |
| ISO 11540<br>2014-03                                    | Caps for writing and marking instruments intended for use by<br>children up to 14 years of age - Safety requirements  |
| BS 7272-1<br>2008-04                                    | Writing and marking instruments. Specification for caps to reduce<br>the risk of asphyxiation   |
| BS 7272-2+A1<br>2014-06                                 | Writing and marking instruments. Specification for end closures to<br>reduce the risk of asphyxiation   |

## 5 Electrical testing of Toys

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| <p>EN 62115:2005 +A11:2012<br/>+A12:2015,<br/>DIN EN 62115:2005<br/>+A11:2012 +A12:2015,<br/>IEC 62115:2003+ A1:2004+<br/>A2:2012,<br/>IEC 62115:2011 ed. 1.2<br/>AS/NZS 62115:2011</p> | <p>Electric Toys – Safety</p>  |
| <p>IEC 60825-1:1993 + A1:1997 +<br/>A2:2001<br/>EN 60825-1:1994 + A1:2002 +<br/>A2:2001<br/>IEC 60825-1:2014<br/>EN 60825-1:2014<br/>DIN EN 60825-1:2014<br/>VDE 0837-1:2008-05</p>     | <p>Safety of laser products – Part 1: Equipment classification and requirements.</p>   |
| <p>IEC TR 60825-13:2011</p>   | <p>Safety of laser products - Part 13: Measurements for classification of laser products</p>   |
| <p>IEC 62471:2006<br/>EN 62471:2008<br/>DIN EN 62471:2009</p>   | <p>Photobiological safety of lamps and lamp systems.<br/>Limitation: Only for LED-Lamps.</p>   |
| <p>IEC/TR 62471-2:2009</p>  | <p>Photobiological safety of lamps and lamp systems - Part 2:<br/>Guidance on manufacturing requirements relating to non-laser optical radiation safety</p>  |
| <p>ASTM F963-16<br/>2016-10</p>   | <p>Standard Consumer Safety Specification for Toy Safety<br/>4.25 Battery - operated toys<br/>8.17 Stalled motor test for battery-operated toys<br/>8.18 Tests for Battery-Powered Ride-on Toys<br/>8.19 Test for Toys that Contain Secondary Cells or Batteries</p> |
| <p>ASTM F963-17<br/>2017-08</p>   | <p>Standard Consumer Safety Specification for Toy Safety<br/>4.25 Battery - operated toys<br/>8.17 Stalled motor test for battery-operated toys<br/>8.18 Tests for Battery-Powered Ride-on Toys<br/>8.20 Test for Toys that Contain Secondary Cells or Batteries</p> |

**6 Physical tests of textiles**

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|------------------------|--|
| DIN 53160-1<br>2010-10 | Determination of the colourfastness of articles for common use<br>Part 1: Resistance to artificial saliva  |
| DIN 53160-2:2010       | Determination of the colourfastness of articles for common use -<br>Part 2: Resistance to artificial sweat |

**Abbreviations used:**

|             |   |
|-------------|---|
| ASTM        | American Safety Testing Method  |
| BS          | British Standard  |
| CDPH / EHLB | California Department of Public Health / Environmental Health Labs  |
| CFR         | Code of Federal Regulation  |
| CPSC        | U.S. Consumer Product Safety Commission   |
| DIN         | German Standard   |
| EPA         | U.S. Environmental Protection Agency  |
| EN          | European Standard   |
| ISO         | International Organization for Standardization  |
| JIS         | Japanese Industrial Standards   |
| LFGB        | German Food and Feed Code   |
| MS          | In-house procedures/Procedural Instructions of<br>TÜV Rheinland Hong Kong Ltd.  |
| RoHS        | Directive 2002/95/EC "Restriction of the use of certain<br>hazardous substances in electrical and electronic equipment" |
| SNV         | Swiss Standard  |