Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-21147-01-02 according to DIN EN ISO/IEC 17025:2018

Valid from:	**13.11.2023**	**Valid to:**	**12.11.2028**
Date of issue:	13.11.2023		

This annex is a part of the accreditation certificate D-PL-21147-01-00.

Holder of partial accreditation certificate:

Hohenstein India Pvt. Ltd.
Plot No. 33, Udyog Vihar Phase - 4
GURUGRAM, HARYANA 122015, INDIA

with the location

Hohenstein India Pvt. Ltd.
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GURUGRAM, HARYANA 122015, INDIA

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the general with the principles of DIN EN ISO 9001.

Physical-chemical and chemical tests of textile products, textile accessories, leather and organic compounds;
Tests on articles of daily use

This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at https://www.dakks.de.

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.

Content

1 Physical-chemical and chemical tests on textile products and textile accessories and leather

1.1 Physical-chemical tests

ISO 4045 2018-05	Leather - Chemical tests - Determination of pH and difference figure
DIN EN ISO 3071 2020-05	Textiles - Determination of pH of aqueous extract (ISO 3071:2020)
AATCC TM 81 2022	pH of the Water-Extract from Wet Processed Textiles
GB/T 7573 2009	Textiles - Determination of pH of aqueous extract

1.2 Quantitative determination of fibre mixtures by gravimetry

DIN EN ISO 137 2016-09	Wool - Determination of fibre diameter - Projection microscope method (ISO 137:2015)
DIN EN ISO 1833-1 2020-09	Textiles - Quantitative chemical analysis - Part 1: General principles of testing (ISO 1833-1:2020)
DIN EN ISO 1833-2 2020-09	Textiles - Quantitative chemical analysis - Part 2: Ternary fibre mixtures (ISO 1833-2:2020)
DIN EN ISO 1833-3 2021-03	Textiles - Quantitative chemical analysis - Part 3: Mixtures of acetate and certain other fibres (method using acetone) (ISO 1833-3:2020)
DIN EN ISO 1833-4 2017-12	Textiles - Quantitative chemical analysis - Part 4: Mixtures of certain protein fibres and certain other fibres (method using hypochlorite) (ISO 1833-4:2017)
DIN EN ISO 1833-5 2011-01	Textiles - Quantitative chemical analysis - Part 5: Mixtures of viscose, cupro or modal and cotton fibres (method using sodium zincate) (ISO 1833-5:2016)
DIN EN ISO 1833-6 2019-07	Textiles - Quantitative chemical analysis - Part 6: Mixtures of viscose or certain types of cupro or modal or lyocell and cotton fibres (method using formic acid and zinc chloride) (ISO 1833-6:2018)
DIN EN ISO 1833-7 2017-12	Textiles - Quantitative chemical analysis - Part 7: Mixtures of polyamide and certain other fibres (method using formic acid) (ISO 1833-7:2017)

DIN EN ISO 1833-8 2011-01	Textiles - Quantitative chemical analysis - Part 8: Mixtures of acetate and triacetate fibres (method using acetone) (ISO 1833-8:2006)
DIN EN ISO 1833-9 2020-02	Textiles - Quantitative chemical analysis - Part 9: Mixtures of acetate and triacetate fibres (method using benzyl alcohol) (ISO 1833-9:2019)
DIN EN ISO 1833-11 2017-12	Textiles - Quantitative chemical analysis - Part 11: Mixtures of certain cellulose fibres with certain other fibres (method using sulfuric acid) (ISO 1833-11:2017)
DIN EN ISO 1833-12 2021-03	Textiles - Quantitative chemical analysis - Part 12: Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastanes and certain other fibres (method u sing dimethylformamide) (ISO 1833-12:2020)
DIN EN ISO 1833-14 2020-02	Textiles - Quantitative chemical analysis - Part 14: Mixtures of acetate and certain chlorofibres (method using acetic acid) (ISO 1833-14:2019)
DIN EN ISO 1833-16 2019-10	Textiles - Quantitative chemical analysis - Part 16: Mixtures of polypropylene fibres and certain other fibres (method using xylene) (ISO 1833-16:2019)
DIN EN ISO 1833-17 2020-07	Textiles - Quantitative chemical analysis - Part 17: Mixtures of chlorofibres (homopolymers of vinyl chloride) and certain other fibres (method using sulfuric acid) (ISO 1833-17:2019)
DIN EN ISO 1833-18 2021-03	Textiles - Quantitative chemical analysis - Part 18: Mixtures of silk and wool or hair (method using sulfuric acid) (ISO 1833-18:2020)
DIN EN ISO 1833-22 2021-10	Textiles - Quantitative chemical analysis - Part 22: Mixtures of viscose or certain types of cupro or modal or lyocell and flax fibres (method using formic acid and zinc chloride) (ISO 1833-22:2020)
BS 4407 1988-07	Methods for quantitative analysis of fibre mixtures
AATCC TM 20 2021	Fiber Analysis: Qualitative
AATCC TM 20A 2021	Fiber Analysis: Quantitative

1.3 Element determination with ICP/MS

DIN EN ISO 17072-1 2019-07	Leather - Chemical determination of metal content - Part 1: Extractable metals (ISO 17072-1:2019)
DIN EN ISO 17072-2 2022-12	Leather - Chemical determination of metal content - Part 2: Total metal content (ISO 17072-2:2022)
DIN EN 12472 2020-11	Method for the simulation of accelerated wear and corrosion for the detection of nickel release from coated items (EN 12472:2020)
DIN EN 16711-1 2016-02	Textiles - Determination of metal content - Part 1: Determination of metals using microwave digestion
DIN EN 16711-2 2016-02	Textiles - Determination of metal content - Part 2: Determination of metals extracted by acidic artificial perspiration solution
DIN EN 1811 2023-04	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 (EN 1811:2023)
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 Operating 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

1.4 Gas chromatography

ISO 16190 2021-11	Footwear - Critical substances potentially present in footwear and footwear components - Test method to quantitatively determine polycyclic aromatic hydrocarbons (PAHs) in footwear materials
ISO 24040 2022-04	Textiles - Determination of certain benzotriazole compounds
DIN CEN ISO/TS 16179 2012-12	Footwear - Critical substances potentially present in footwear and footwear components - Determination of organotin compounds in footwear materials (ISO/TS 16179:2012)
DIN CEN ISO 16189 2022-03	Footwear - Critical substances potentially present in footwear and footwear components - Test method to quantitatively determine dimethylformamide in footwear materials (ISO 16189:2021)

DIN EN ISO 11890-2 2020-12	Paints and varnishes - Determination of volatile organic compound (VOC) content - Part 2: Gas-chromatographic method (ISO 11890-2:2020)
DIN EN ISO 14362-1 2017-05	Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres (ISO 14362-1:2017)
DIN EN ISO 14362-3 2017-05	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 14362-3:2017)
DIN EN ISO 14389 2023-01	Textiles - Determination of the phthalate content - Tetrahydrofuran method (ISO 14389:2022)
DIN EN ISO 16181-1 2021-07	Footwear - Critical substances potentially present in footwear and footwear components - Part 1: Determination of phthalate with solvent extraction (ISO 16181-1:2021)
DIN EN ISO 16186 2021-09	Footwear - Critical substances potentially present in footwear and footwear components - Test method to quantitatively determine dimethylfumarate (DMFU) in footwear materials (ISO 16186:2021)
DIN EN ISO 17070 2015-05	Leather - Chemical tests - Determination of tetrachlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol content (ISO 17070:2015)
DIN EN ISO 17234-1 2020-12	Leather - Chemical tests for the determination of certain azo colorants in dyed leather - Part 1: Determination of certain aromatic amines derived from azo colorants (ISO 17234-1:2020)
DIN EN ISO 17234-2 2011-06	Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 2: Determination of 4-aminoazobenzene (ISO 17234-2:2011)
DIN EN ISO 17881-1 2016-09	Textiles - Determination of certain flame retardants - Part 1: Brominated flame retardants (ISO 17881-1:2016)
DIN EN ISO 18219-1 2021-09	Leather - Determination of chlorinated hydrocarbons in leather - Part 1: Chromatographic method for short-chain chlorinated paraffins (SCCPs) (ISO 18219-1:2021) (Modification: *Evaluation; calculation; extraction solution*)

DIN EN ISO 18219-2 2021-09	Leather - Determination of chlorinated hydrocarbons in leather - Part 2: Chromatographic method for middle-chain chlorinated paraffins (MCCPs) (ISO 18219-2:2021)
DIN EN ISO 22744-1 2020-09	Textiles and textile products - Determination of organotin compounds Part 1: Derivatisation method using gas chromatography (ISO 22744-1:2020)
DIN EN 12673 1999-05	Water quality- Gas chromatographic determination of some selected chlorophenols in water (Modification: *Matrix only eluates of fibre, textile and leather*)
DIN EN 17132 2019-09	Textiles and textile products - Determination of Polycyclic Aromatic Hydrocarbons (PAH), method using gas chromatograph
DIN EN 17137 2019-02	Textiles - Determination of the content of compounds based on chlorobenzenes and chlorotoluenes
DIN 38407-37 2013-11	German standard methods for the examination of water, waste water and sludge – Jointly determinable substances (group F) - Part 37: Determination of organochlorine pesticides, polychlorinated biphenyls and chlorobenzene in water -Method using gas chromatography and mass spectrometric detection (GC-MS) after liquid-liquid extraction (F 37) (Modification: *Determination of non-polar insecticides in fibre, textiles and leather*)
DIN 50009 2021-01	Textiles - Determination of tetrachlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol content
AfPS GS 2019:01 PAK 2020-04	Product Safety Commission (Ausschuss für Produktsicherheit) Testing and assessment of polycyclic aromatic hydrocarbons (PAHs) in the course of awarding the GS mark - Pursuant to article 21(1) no. 3 of the German Product Safety Act (ProdSG) (Limitation: *Here only consumer products, only testing of PAK, no Product Safety evaluation*)
CPSC-CH-C1001-09.4 2018-01	Standard Operating Procedure for Determination of Phthalates
GB/T 17592 2011	Textiles - Determination of the banned azo colourants
GB/T 23344 2009	Textiles - Determination of 4-aminoazobenzene

SOP-QM-11 IN 02 A3 024 2023-03	Determination of volatile Organic Compounds (VOC) by thermal desorption analysis according to VDA 278

1.5 Liquid chromatography

DIN EN ISO 13365-1 2020-12	Leather - Chemical determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography - Part 1: Acetonitrile extraction method (ISO 13365-1:2020)
DIN EN ISO 14362-1 2017-05	Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres (ISO 14362-1:2017)
DIN EN ISO 14362-3 2017-05	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 14362-3:2017)
DIN EN ISO 17075-2 2017-05	Leather - Chemical determination of chromium(VI) content in leather - Part 2: Chromatographic method (ISO 17075-2:2017)
DIN EN ISO 17226-1 2021-05	Leather - Chemical determination of formaldehyde content - Part 1: Method using high performance liquid chromatography (ISO 17226-1:2021)
DIN EN ISO 17881-2 2016-09	Textiles - Determination of certain flame retardants - Part 2: Phosphorus flame retardants (ISO 17881-2:2016)
DIN EN ISO 18218-1 2015-11	Leather - Determination of ethoxylated alkylphenols - Part 1: Direct method (ISO 18218-1:2015)
DIN EN ISO 18218-2 2019-10	Leather - Determination of ethoxylated alkylphenols - Part 2: Indirect method (ISO 18218-2:2019)
DIN EN ISO 18254-1 2016-09	Textiles - Method for the detection and determination of alkylphenolethoxylates (APEO) - Part 1: Method using HPLC-MS (ISO 18254-1:2016) (Modification: *Additional determination of alkylphenols; alternative standards; calculation*)
DIN EN ISO 22744-2 2020-12	Textiles and textile products - Determination of organotin compounds Part 2: Direct method using liquid chromatography (ISO 22744-2:2020)

DIN EN 71-12 2017-03	Safety of toys - Part 12 - Determination of N-Nitrosamines and N-nitrosatable substances (EN 71-12:2016)
DIN 38414-14 2011-08	Determination of selected polyfluorinated compounds (PFC) in sludge, compost and soil Method using liquid chromatography and mass spectrometric detection (LC / MS) (Modification: *Matrix only eluates of textile and leather*)
DIN 54231 2022-09	Textiles - Detection of disperse dyestuffs
CEN/TS 15968 2010-11	Determination of extractable perfluorooctanesulphonate (PFOS) in coated and impregnated solid articles, liquids and fire fighting foams - Method for sampling, extraction and analysis by LC-MS/MS
SOP-QM-11 IN 02 A3 004 2023-03	Determination of polar pesticides (herbicides, neonicotinoids and aldicarb) in textiles, accessories and leather according to STANDARD 201 by OEKO-TEX® M-6 A & ML-6-A (Modification: *Screening with the Quechers method*)

1.6 Photometry

DIN EN ISO 13365-1 2020-12	Leather - Chemical determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography - Part 1: Acetonitrile extraction method (ISO 13365-1:2020)
DIN EN ISO 14184-1 2011-12	Textiles - Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method) (ISO 14184-1:2011)
DIN EN ISO 17075-1 2017-05	Leather - Chemical tests - Determination of chromium(VI) content (Modification: *Determination in perspiration eluates of textiles*) (ISO 17075-1:2017)
GB/T 2912.1 2009	Textiles - Determination of formaldehyde - Part 1: Free and hydrolyzed formaldehyde (water extraction method)
JIS L 1041 2011-07	Test methods for resin finished textiles Chapter 8: Free formaldehyde test Pursuant to the Japanese Harmful Substance-Containing Household Products Control Law No. 112

1.7 Qualitative Tests

GB 18401 2010	National general safety technical code for textile products (section 6.7)
SNV 195 651 2015-09	Textiles - Determination of the development of smells of finishings (sensory test)
SOP-QM-11.IN.02.A5.008 2023-03	Textiles: Determination of odor evolution of equipment (sensory examination)
SOP-QM-11.IN.02.A5.010 2023-03	Qualitative determination of Formaldehyde in textile accessories
SOP-QM-11.IN.02.A5.020 2023-03	Identification of polymers in plastic and coating materials by FT-IR

2 Tests on articles of daily use

2.1 Sample preparation and determination of lead in metal and non-metal products for children and adults, in colours and coloured surfaces

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 Operating 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 (Modification: *Determination according to DIN EN ISO 17294-2:2017-01 or DIN 38406-6:1998-07)*

2.2 Determination of organic compounds

CPSC-CH-C1001-09.4 2018-01	Standard Operating Procedure for Determination of Phthalates

Abbreviations used:

AATCC TM	Test Method of American Association of Textile Chemists and Colorists
AfPS	Ausschuss für Produktsicherheit - Product Safety Commission
CPSC	Consumer Product Safety Commission (USA)
DIN	Deutsches Institut für Normung e.V. - German institute for standardization
EN	Europäische Norm - European Standard
GB	National Standard of the People's Republic of China
GB/T	National Standard of the People's Republic of China
GS	Geprüfte Sicherheit - Tested Saftey
ISO	International Organization for Standardization
JIS	Japan Industrial Standard
SNV	Schweizerische Normen-Vereinigung - Swiss Association for Standardization
SOP-QM...	In-house-method of Hohenstein India Pvt. Ltd.