



CERTIFICATE OF ACCREDITATION

This is to attest that

ZHEJIANG HUAK TESTING TECHNOLOGY CO., LTD.

3F, BUILDING 6, BLOCK B, NO. E22 XINKE ROAD, CHOUJIANG STREET
YIWU CITY, JINHUA, ZHEJIANG, 322000, CHINA

Testing Laboratory TL-1118

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date June 17, 2024



A handwritten signature in black ink, reading 'Raj Nathan'.

President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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ZHEJIANG HUAK TESTING TECHNOLOGY CO., LTD.

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Accredited to ISO/IEC 17025:2017

Effective Date June 17, 2024

Physical	
EN 71-1	Safety of toys — Part 1: Mechanical and physical properties
EN 71-2	Safety of toys — Part 2: Flammability
EN 71-13	Safety of toys — Part 13: Olfactory board games, cosmetic kits and gustative games
EN 71-14	Safety of toys — Part 14: Trampolines for domestic use
EN 13402-3	Size designation of clothes - Part 3: Size labelling based on body measurements and intervals
GSO EN 71-1	Safety of toys — Part 1: Mechanical and physical properties
GSO EN 71-2	Safety of toys — Part 2: Flammability
GSO EN 71-13	Safety of toys — Part 13: Olfactory board games, cosmetic kits and gustative games
GSO EN 71-14	Safety of toys — Part 14: Trampolines for domestic use
ISO 105-C06	Textiles — Tests for colour fastness — Part C06: Colour fastness to domestic and commercial laundering
ISO 105-E01	Textiles — Tests for colour fastness — Part E01: Colour fastness to water
ISO 105-E04	Textiles — Tests for colour fastness — Part E04: Colour fastness to perspiration
ISO 105-X12	Textiles — Tests for colour fastness — Part X12: Colour fastness to rubbing
ISO 8124-1	Safety of toys — Part 1: Safety aspects related to mechanical and physical properties
ISO 8124-2	Safety of toys — Part 2: Flammability
ISO 8124-4	Safety of toys — Part 4: Swings, slides and similar activity toys for indoor and outdoor family domestic use
ISO 8124-10	Safety of toys — Part 10: Experimental sets for chemistry and related activities
ISO 8124-11	Safety of toys — Part 11: Chemical toys (sets) other than experimental sets
ISO 13934-1	Textiles — Tensile properties of fabrics — Part 1: Determination of maximum force and elongation at maximum force using the strip method

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ISO/TR 8124-8	Safety of toys — Part 8: Age determination guidelines
SASO 1173	identification labels for textile products
SASO EN 14682	Safety of children's clothing - Cords and drawstrings on children's clothing - Specifications
SASO GSO 1268	tests for color fastness of textiles – c-methods for determination of color fastness to perspiration
SASO ISO 105-C06	Textiles - Tests for color fastness - Part C06: Color fastness to domestic and commercial laundering
SASO ISO 105-E01	Textiles - Tests for color fastness - Part E01: Color fastness to water
SASO ISO 105-X12	Textiles - Tests for color fastness - Part X12: Color fastness to rubbing
SASO ISO 3758	Textiles - Care labelling code using symbols
SASO ISO 8559-1	Size designation of clothes - Part 1: Anthropometric definitions for body measurement
SASO ISO 8559-2	Size designation of clothes - Part 2: Primary and secondary dimension indicators
SASO ISO 17751	Textiles - Quantitative analysis of animal fibers by microscopy -Cashmere, wool, special fibers and their mixtures;
SASO ISO TR 11827	Textiles - Composition testing - Identification of fibers
Chemical	
AfPS GS 2019:01 PAK	Product Safety Commission (AfPS) GS Specification Testing and assessment of Polycyclic Aromatic Hydrocarbons (PAHs)in the awarding of GS Marks-Specification pursuant to Article 21 (1) No. 3 of the Product Safety Act (ProdSG) -AfPS GS 2019:01 PAK
EN 71-3	Safety of toys — Part 3: Specification for migration of certain elements
EN 71-7	Safety of toys — Part 7: Finger paints
EN 71-9	Safety of toys — Part 9: Organic chemical compounds - Requirements
EN 71-10	Safety of toys — Part 10: Organic chemical compounds - Sample preparation and extraction
EN 71-11	Safety of toys — Part 11: Organic chemical compounds - Methods of analysis
EN 71-12	Safety of toys — Part 12: N-Nitrosamines and N-Nirosatables substance
EN 14372	Child use and care articles — Cutlery and feeding utensils — Safety requirements and tests
EN 16711-1	Textiles - Determination ofmetal content Part 1: Determination of metals usingmicrowave digestion

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EN 16711-2	Textiles - Determination of metal content - Part 2: Determination of metals extracted by acidic artificial perspiration solution
GSO EN 71-3	Safety of toys — Part 3: Specification for migration of certain elements
GSO EN 71-7	Safety of toys — Part 7: Finger paints
GSO EN 71-9	Safety of toys — Part 9: Organic chemical compounds - Requirements
GSO EN 71-10	Safety of toys — Part 10: Organic chemical compounds - Sample preparation and extraction
GSO EN 71-11	Safety of toys — Part 11: Organic chemical compounds - Methods of analysis
GSO EN 71-12	Safety of toys — Part 12: N-Nitrosamines and N-Nirosatables substance
IEC 62321-2	Determination of certain substances in electrotechnical products - Part 2: Disassembly, disjointment and mechanical sample preparation
IEC 62321-3-1	Determination of certain substances in electrotechnical products -Part 3-1: Screening - Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry
IEC 62321-4	Determination of certain substances in electrotechnical products –Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS
IEC 62321-5	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
IEC 62321-6	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	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	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	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)
IEC 62321-9	Determination of certain substances in electrotechnical products -Part 9: Hexabromocyclododecane in polymers by gas chromatography-mass spectrometry (GC-MS)
IEC 62321-10	Determination of certain substances in electrotechnical products -Part 10: Polycyclic aromatic hydrocarbons (PAHs) in polymers and electronics by gas chromatography-mass spectrometry (GC-MS)

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ISO 1833-1	Textiles - Quantitative chemical analysis - Part 1: General principles of testing
ISO 1833-2	Textiles - Quantitative chemical analysis - Part 2 : Ternary fiber mixtures
ISO 1833-3	Textiles - Quantitative chemical analysis - Part 3: Mixtures of acetate and certain other fibers (method using acetone)
ISO 1833-4	Textiles - Quantitative chemical analysis - Part 4: Mixtures of certain protein and certain other fibers (method using hypochlorite)
ISO 1833-5	Textiles - Quantitative chemical analysis - Part 5: Mixtures of viscose, cupro or modal and cotton fibers (method using sodium zincate)
ISO 1833-6	Textiles - Quantitative chemical analysis - Part 6: Mixtures of viscose or certain types of cupro or modal or lyocell and cotton fibers (method using formic acid and zinc chloride)
ISO 1833-7	Textiles - Quantitative chemical analysis - Part 7: Mixtures of polyamide and certain other fibers (method using formic acid)
ISO 1833-8	Textiles - Quantitative chemical analysis - Part 8: Mixtures of acetate and triacetate fibers (method using acetone)
ISO 1833-9	Textiles - Quantitative chemical analysis - Part 9: Mixtures of acetate and triacetate fibers (method using benzyl alcohol)
ISO 1833-10	Textiles - Quantitative chemical analysis - Part 10: Mixtures of triacetate or polylactide and certain other fibers (method using dichloromethane)
ISO 1833-11	Textiles - Quantitative chemical analysis - Part 11: Mixtures of cellulose and polyester fibers (method using sulfuric acid)
ISO 1833-12	Textiles - Quantitative chemical analysis - Part 12: Mixtures of acrylic, certain mod acrylics, certain chloro-fibers, certain elastane's and certain other fibers (method using dimethylformamide)
ISO 1833-14	Textiles - Quantitative chemical analysis - Part 14: Mixtures of acetate and certain chlorofibers (method using acetic acid)
ISO 1833-17	Textiles - Quantitative chemical analysis - Part 17: Mixtures of chlorofibers (homopolymers of vinyl chloride) and certain other fibers (method using sulfuric acid)
ISO 1833-18	Textiles - Quantitative chemical analysis - Part 18: Mixtures of silk and wool or hair (method using sulfuric acid)
ISO 1833-20	Textiles - Quantitative chemical analysis - Part 20: Mixtures of elastane and certain other fibers(method using dimethylacetamide)
ISO 1833-24	Textiles - Quantitative chemical analysis - Part 24: Mixtures of polyester and certain other fibers (method using phenol and tetrachloroethane)
ISO 3071	Textiles — Determination of pH of aqueous extract Textiles

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ISO 4045	Leather — Chemical tests — Determination of pH and difference figure
ISO 5398-1	Leather - Chemical determination of chromic oxide content –Part :1 Quantification by titration
ISO 5398-2	Leather - Chemical determination of chromic oxide content - Part 2: Quantification by colorimetric determination
ISO 5398-3	Leather - Chemical determination of chromic oxide content - Part 3: Quantification by atomic absorption spectrometry
ISO 5398-4	Leather - Chemical determination of chromic oxide content - Part 4: Quantification by inductively coupled plasma - optical emission spectrometer (ICP-OES)
ISO 8124-3	Safety of toys — Part 3: Migration of certain elements
ISO 8124-5	Safety of toys — Part 5: Determination of total concentration of certain elements in toys
ISO 8124-6	Safety of toys — Part 6: Certain phthalate esters in toys and children's products
ISO 12945-1	Textiles — Determination of fabric propensity to surface pilling, fuzzing or matting — Part 1: Pilling box method
ISO 12945-2	Textiles — Determination of fabric propensity to surface pilling, fuzzing or matting — Part 2: Modified Martindale method
ISO 14184-1	Textiles — Determination of formaldehyde — Part 1: Free and hydrolysed formaldehyde (water extraction method)
ISO 14184-2	Textiles - Determination of formaldehyde - Part2: Released formaldehyde (vapour absorption method)
ISO 14362-1	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 14362-3	Textiles — Methods for determination of certain aromatic amines derived from azo colorants — Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene
ISO 14389	Textiles — Determination of the phthalate content — Tetrahydrofuran method
ISO 16373-2	Textiles — Dyestuffs — Part 2: General method for the determination of extractable dyestuffs including allergenic and carcinogenic dyestuffs (method using pyridine-water)
ISO 17070	Leather — Chemical tests — Determination of tetrachlorophenol-, trichlorophenol-, dichlorophenol-, monochlorophenol-isomers and pentachlorophenol content
ISO 17072-1	Chemical determination of metal content —Part 1: Extractable metals
ISO 17075-1	Leather Chemical determination of chromium(VI) content in leather

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ISO 17234-1	Leather — Chemical tests for the determination of certain azo colourants in dyed leathers — Part 1: Determination of certain aromatic amines derived from azo colourants
ISO 17234-2	Leather — Chemical tests for the determination of certain azo colorants in dyed leathers — Part 2: Determination of 4-aminoazobenzene
ISO 17881-1	Textiles — Determination of certain flame retardants — Part 1: Brominated flame retardants
ISO 17881-2	Textiles — Determination of certain flame retardants — Part 2: Phosphorus flame retardants
ISO 18254-1	Textiles — Method for the detection and determination of alkylphenol ethoxylates (APEO) — Part 1: Method using HPLC-MS
ISO/TS 16179	Footwear — Critical substances potentially present in footwear and footwear components — Determination of organotin compounds in footwear materials
SASO GSO 1957	Methods of testing harmful substances used in textile products
SASO ISO 1833-1	Textiles - Quantitative chemical analysis - Part 1: General principles of testing
SASO ISO 1833-2	Textiles - Quantitative chemical analysis - Part 2 : Ternary fiber mixtures
SASO ISO 1833-3	Textiles - Quantitative chemical analysis - Part 3: Mixtures of acetate and certain other fibers (method using acetone)
SASO ISO 1833-4	Textiles - Quantitative chemical analysis - Part 4: Mixtures of certain protein and certain other fibers (method using hypochlorite)
SASO ISO 1833-5	Textiles - Quantitative chemical analysis - Part 5: Mixtures of viscose, cupro or modal and cotton fibers (method using sodium zincate)
SASO ISO 1833-6	Textiles - Quantitative chemical analysis - Part 6: Mixtures of viscose or certain types of cupro or modal or lyocell and cotton fibers (method using formic acid and zinc chloride)
SASO ISO 1833-7	Textiles - Quantitative chemical analysis - Part 7: Mixtures of polyamide and certain other fibers (method using formic acid)
SASO ISO 1833-8	Textiles - Quantitative chemical analysis - Part 8: Mixtures of acetate and triacetate fibers (method using acetone)
SASO ISO 1833-9	Textiles - Quantitative chemical analysis - Part 9: Mixtures of acetate and triacetate fibers (method using benzyl alcohol)
SASO ISO 1833-10	Textiles - Quantitative chemical analysis - Part 10: Mixtures of triacetate or polylactide and certain other fibers (method using dichloromethane)
SASO ISO 1833-11	Textiles - Quantitative chemical analysis - Part 11: Mixtures of cellulose and polyester fibers (method using sulfuric acid)

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SASO ISO 1833-12	Textiles - Quantitative chemical analysis - Part 12: Mixtures of acrylic, certain mod acrylics, certain chloro-fibers, certain elastane's and certain other fibers (method using dimethylformamide)
SASO ISO 1833-14	Textiles - Quantitative chemical analysis - Part 14: Mixtures of acetate and certain chlorofibers (method using acetic acid)
SASO ISO 1833-17	Textiles - Quantitative chemical analysis - Part 17: Mixtures of chlorofibers (homopolymers of vinyl chloride) and certain other fibers (method using sulfuric acid)
SASO ISO 1833-18	Textiles - Quantitative chemical analysis - Part 18: Mixtures of silk and wool or hair (method using sulfuric acid)
SASO ISO 1833-20	Textiles - Quantitative chemical analysis - Part 20: Mixtures of elastane and certain other fibers(method using dimethylacetamide)
SASO ISO 1833-24	Textiles - Quantitative chemical analysis - Part 24: Mixtures of polyester and certain other fibers (method using phenol and tetrachloroethane)
SASO ISO 3071	Textiles - Determination of pH of aqueous extract
SASO ISO 5398-1	Leather - Chemical determination of chromic oxide content –Part :1 Quantification by titration
SASO ISO 5398-2	Leather - Chemical determination of chromic oxide content - Part 2: Quantification by colorimetric determination
SASO ISO 5398-3	Leather - Chemical determination of chromic oxide content - Part 3: Quantification by atomic absorption spectrometry
SASO ISO 14184-1	Textiles — Determination of formaldehyde — Part 1: Free and hydrolysed formaldehyde (water extraction method)
SASO ISO 14184-2	Textiles - Determination of formaldehyde - Part 2: Released formaldehyde (vapor absorption method)
SASO ISO 14362-1	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
SASO ISO 14362-3	Textiles - Methods for determination of certain aromatic amines derived from azo colorants - Part 3: Detection of the use of certain azo colorants, which may release 4aminoazobenzene
SASO ISO 16373-1	Textiles - Dyestuffs - Part 1: General principles of testing colored textiles for dyestuff identification
SASO ISO 16373-2	Textiles - Dyestuffs - Part 2: General method for the determination of extractable dyestuffs including allergenic and carcinogenic dyestuffs (method using pyridine-water)
SASO ISO 16373-3	Textiles - Dyestuffs - Part 3: Method for determination of certain carcinogenic dyestuffs (method using triethylamine /methanol)

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SASO ISO 17070	Leather - Chemical tests - Determination of pentachlorophenol content
SASO ISO 17075-1	Leather — Chemical determination of chromium(VI) content in leather — Part 1: Colorimetric method
SASO ISO 17234-1	Leather - Chemical tests for the determination of certain azo colorants in dyed leathers - Part 1: Determination of certain aromatic amines derived from azo colorants
SASO ISO 17234-2	Leather - Chemical tests for the determination of certain azo colorants in dyed leathers – Part 2: Determination of 4- aminoazobenzene
SASO ISO 17881-1	Textiles - Determination of certain flame retardants - Part 1: Brominated flame retardants
SASO ISO 17881-2	Textiles - Determination of certain flame retardants - Part 2: Phosphorus flame retardants
SASO ISO 18254-1	Textiles — Method for the detection and determination of alkylphenol ethoxylates (APEO) — Part 1: Method using HPLC-MS
SASO ISO/TS 16179	Footwear - Critical substances potentially present in footwear and footwear components - Determination of organotin compounds in footwear materials
XP G08-015	Textiles - Determination of pentachlorophenol
Machine Safety	
EN 280	Mobile elevating work platforms Design calculations – Stability criteria – Construction – Safety – Examinations and tests
EN 1493	Vehicle lifts
EN 1494	Mobile or movable jacks and associated lifting equipment
EN 60204-1	Safety of machinery- Electrical equipment of machines - General requirements
EN ISO 3691-1	Industrial trucks-Safety requirements and verification - Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks
EN ISO 12100	Safety of machinery-General principles for design. Risk assessment and risk reduction
GSO 96	Motor vehicles – Methods of testing safety belts
GSO 97	Motor vehicles – Safety belts
GSO 98	Motor vehicles – Flammability of interior materials and their testing methods
GSO 99	Road vehicles – Sound signalling devices technical specifications
GSO 419	Motor vehicles – Methods of test for door locks and door hinges
GSO 420	Motor vehicles – Door locks and door hinges

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GSO 1503	Motor vehicle head lamps – Safety requirements
GSO 1598	Motor vehicles – Head restraints and their methods of test
GSO 1677	Motor vehicles – Laminated safety glass
GSO 1780	Motor vehicle – Vehicle identification number (vin) - requirements
GSO 1781	Motor vehicles – World manufacturer identifier
GSO ISO 3537	Road vehicles – Safety glazing materials-mechanical tests
GSO ISO 3538	Road vehicles – Safety glazing materials – test methods for optical properties
IEC 60204-1	Safety of machinery- Electrical equipment of machines - General requirements
ISO 12100	Safety of machinery-General principles for design. Risk assessment and risk reduction
SASO GSO 420	Motor vehicles – Door locks and door hinges
SASO GSO 1598	Motor vehicles – Head restraints and their methods of test
SASO GSO 1780	Motor vehicle – Vehicle identification number (vin) – requirements
SASO GSO 1781	Motor vehicles – World manufacturer identifier
SASO GSO ISO 3537	Road vehicles – Safety glazing materials-mechanical tests
SASO ISO 3538	Road vehicles – Safety glazing materials – test methods for optical properties