CERTIFICATE OF ACCREDITATION

This is to attest that

CSA GROUP CONSUMER PRODUCT EVALUATION (CPE) SHAGHAI COMPANY, LIMITED

4 FLOOR, BLOCK 31, SHEN TIAN HI-TECH PARK, NO. 1525, MIN QIANG ROAD, SONGJIANG
SHANGHAI 201612, PEOPLE'S REPUBLIC OF CHINA

Testing Laboratory TL-748

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 May 15, 2023

President

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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CSA GROUP CONSUMER PRODUCT EVALUATION (CPE) SHANGHAI COMPANY, LIMITED

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Accredited to ISO/IEC 17025:2017 *Effective Date May 15, 2023*

Chemical	
3051A	Microwave Assisted Acid Digestion of Sediments, Sludges, Soils, and Oils
ASTM C738-1994 (2020)	Standard test method for lead and cadmium extracted from glazed ceramic surfaces
ASTM C927-1980 (2019)	Standard test method for lead and cadmium extracted from the lip and rim area of glass tumblers externally decorated with ceramic glass enamels
ASTM F2617	Standard test method for identification and quantification of lead in polymeric material using energy dispersive x-ray spectrometry
CPSC-CH-C1001-09-4	Standard operating procedure for determination of phthalates
CPSC-CH-E1001-08.3	Standard operating procedure for determining total lead (Pb) in children's metal products (including children's metal jewelry) revision
CPSC-CH-E1002-08.3	Standard Operating Procedure for Determining Total Lead (Pb) in Non-Metal Children's Products
CPSC-CH-E1003-09	Standard operating procedure for determining lead (Pb) in paint and other similar surface coatings
Directive 84/500/EEC	Relating to ceramic articles intended to come into contact with foodstuffs Annex I Basic rules for determining the migration of Lead and Cadmium Annex II Methods of analysis for determining the migration of Lead and Cadmium
EPA Method 3050B	Acid digestion of sediments, sludges, and soils
IEC 62321-3-1: 2013	Determination of certain substances in electrotechnical products - Part 3-1: Screening - Lead, mercury, cadmium, total Chromium and total bromine using X-ray fluorescence spectrometry.
IEC 62321-4:2017	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. Only ICP-OES method, Exclusion: section 7.3.
IEC 62321-5:2013	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.

	Only ICP-OES method. Exclusion: section 7.1.2.
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).
IEC 62321-7-1: 2015	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: 2017	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 62321-8:2017	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 by GC-MS method (Py-TD-GC-MS). Exclusion: GC-MS using a pyrolyzer/thermal desorption accessory (Py-TD-GC-MS).
NIOSH 7105	Lead by GFAAS
NIOSH 7300	Elements by ICP (nitric/ perchloric acid ashing), Lead (Pb) and Cadmium (Cd)
NIOSH 9100	Lead in surface wipe samples
NSF/ANSI 372-2022	Drinking water system components - lead content

CPSC: Consumer Product Safety Commission

EPA: Environmental Protection Agency

NIOSH: National Institute for Occupational Safety and Health

NSF: National Sanitation Foundation