



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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CHEMICAL

Valid To: February 28, 2019

Certificate Number: 2795.01

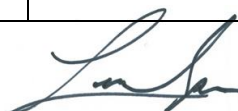
In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on Consumer Products, Products in Contact with Food, Cosmetics, Textiles and Garments, Toys, Jewelry and other Children’s Products:

TEST TYPE/TECHNOLOGY	TEST METHOD
Total Lead Content in Non-Metal Children’s Products (Plastics and Glass)	CPSC-CH-E1002-08.1 CPSC-CH-E1002-08.2 CPSC-CH-E1002-08.3
Determination of Lead and Other Elements in Polymeric Materials Using XRF Fluorescence Spectrometry	ASTM F2617-08 ¹ (Lead and Cadmium Analysis Only) SOP 9-43 CPSC-CH-E1002-08.1 CPSC-CH-E1002-08.2 CPSC-CH-E1002-08.3
Cleanliness of Toy Stuffing Material	Pennsylvania Regulation for Stuff Toys, Title 34, Chapter 47, Section 47.317, “Tolerances of the Commonwealth of Pennsylvania Regulation for Stuffed Toys” SOP 9-37 - Oil and Grease SOP 9-17 - Lead SOP 9-46 - Arsenic SOP 9-38 - Ammonia SOP 9-36 - Urea SOP 9-41 - Analysis of Fiber Filling in Stuffed Toys ASTM F963-11 Section 4.3.7 ASTM F963-16 Sections 4.3.7 & 8.29
Cleanliness of Toy Stuffing Material (Objectionable Matter) - Official Methods of Analysis of the Association of Analytical Chemists (AOAC), Chapter 16 “Extraneous Materials: Isolation”, 15th Ed., 1990	AOAC Official Method 945.75 AOAC Official Method 970.66

TEST TYPE/TECHNOLOGY	TEST METHOD
Phthalate Content in Child Care Items and Toys	CPSC-CH-C1001-09.3
Total Lead Content in Surface Coatings	<p>CPSC-CH-E1003-09.1</p> <p>ASTM E1645 – Standard Practice for Preparation of Dried Paint Samples by Hotplate or Microwave Digestion for Subsequent Lead Analysis</p> <p>16 CFR Part 1303</p> <p>ASTM F963-11 Section 4.3.5.1(1) ASTM F963-16 Section 4.5.3.1</p> <p>ASTM F2853-10¹ – Standard Test Method for the Determination of Lead in Paint Layers and Similar Coatings or in Substances and Homogenous Materials by Energy Dispersive X-Ray Fluorescence Spectrometry Using Multiple Monochromatic Excitation Beams</p>
Total Lead and Cadmium Content of Metal Items	<p>CPSC-CH-E1001-08.1 CPSC-CH-E1001-08.2 CPSC-CH-E1001-08.3 Health Canada Product Safety Bureau Method C-02.4</p>
Determination of Soluble Heavy Elements (Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium) in Surface Coatings and Substrates	<p>ASTM F963-11 Section 4.3.5.1(2) ASTM F963-11 Section 4.3.5.2 ASTM F963-11 Section 8.3 ASTM F963-16 Section 4.3.5.1 ASTM F963-16 Section 4.3.5.2 ASTM F963-16 Section 8.3</p> <p>EN 71: Part 3:1994, + AL :2000 & AC :2002 EN 71: Part 3, Sections 8.1-8.5</p>
Determination of Extractable Cadmium From Metal Items	<p>CPSC-CH-E1004-11 ASTM F963-11 Section 4.3.5.2 ASTM F963-11 Section 8.3 ASTM F963-16 Section 4.3.5.2 ASTM F963-16 Section 8.3</p>
Determination of Lead and Cadmium Extracted from Ceramicware & Glassware	<p>ASTM C927 ASTM C738 / AOAC 973.32 ASTM F963-11 Section 4.3.3.2 ASTM F963-16 Section 4.3.3.2</p>



TEST TYPE/TECHNOLOGY	TEST METHOD
Determination of Toxic Elements in Packaging Materials (Lead Content, Cadmium Content, Chromium Content, Mercury Content and Hexavalent Chromium Content)	SOP 9-30 - Polymers, Textiles, Papers and Surface Coatings SOP 9-32 - Metal SOP 9-33 - Glass SOP 9-31 ³ - Hexavalent Chromium SOP 9-26 - Mercury
Determination of Mercury in Batteries	SOP 9-40 ¹
Determination of Nickel Release from Products Intended for Prolonged Skin Contact	EN 1811:2011 (2015) EN 12472:2005+A1:2009
US FDA Food Contact Testing Resinous and Polymeric Coatings Components of Paper and Paperboard in Contact with Aqueous and Fatty Foods Acrylic and Modified Acrylic Plastics, Semi-Rigid and Rigid Closures with Sealing Gaskets for Food Containers Ethylene-Vinyl Acetate Copolymers Melamine-Formaldehyde Resins in Molded Articles Nylon Resins Olefin Polymers Polycarbonate Resins Polyethylene Phthalate Polymers Polystyrene and Rubber-Modified Polystyrene Styrene Block Polymers Styrene-Maleic Anhydride Copolymers Styrene-Methyl Methacrylate Copolymers Urea-Formaldehyde Resins in Molded Articles Polyester Resins, Cross-Linked Polyoxymethylene Copolymer Polyoxymethylene Homopolymer Rubber Articles Intended for Repeated Use Mineral Reinforced Nylon Resins Acrylonitrile Copolymers and Resins	ASTM F963-11 Section 4.3.3 ASTM F963-16 Section 4.3.3 21 CFR Part 175.300(e) 21 CFR Part 176.170(d) 21 CFR Part 177.1010(b)&(c) 21 CFR Part 177.1210(c) 21 CFR Part 177.1350(b)(1) 21 CFR Part 177.1460(c) 21 CFR Part 177.1500(d) 21 CFR Part 177.1520(d) 21 CFR Part 177.1580(c)(2) 21 CFR Part 177.1630(f), (g), & (i) 21 CFR Part 177.1640(c)&(d) 9-57 SOP 21 CFR Part 177.1810(b) 21 CFR Part 177.1820(b)&(c) 21 CFR Part 177.1830(b) 21 CFR Part 177.1900(c) 21 CFR Part 177.2420(c) 21 CFR Part 177.2470(d) 21 CFR Part 177.2480(d) 21 CFR Part 177.2600(e)&(f) 21 CFR Part 177.2355(c) 21 CFR Part 181.32(b)
Determination of Total Bisphenol A (BPA) Content in Polymeric Materials	SOP 9-56
Determination of Brominated Flame Retardants in Consumer Products (Penta-, Octa- and Deca-Brominated Diphenyl Ethers (BDE) in Polymeric Materials)	SOP 9-55 ²



TEST TYPE/TECHNOLOGY	TEST METHOD
Total Heavy Metal Elements in Surface Coatings and Substrates	SOP 9-46 ASTM F963-11 Section 4.3.5 ASTM F963-11 Section 8.3 ASTM F963-16 Section 4.3.5 ASTM F963-16 Section 8.3
Determination of Total Mercury Content in Cosmetics	SOP 9-26
16 CFR Part 1500.231 - Guidance for Hazardous Liquid Chemicals in Children's Products	SOP 9-67
Determination of Azo Colorants in Textiles	EN 14362-1:2012 EN 14362-3:2012
Determination of Azo Colorants in Leather	ISO 17234-1:2015 ISO 17234-2:2011
Method of Test for Flashpoint of Volatile Flammable Materials	16 CFR 1500.43a
Determination of Lead and Cadmium Extracted from Ceramicware & Silicate Surface Other than Ceramicware	European Council Directive 84/500/EEC ANNEX I and II with Amendment 2005/31/EC EN 1388-1:1995, EN 1388-2: 1995
Overall Migration Tests on Plastic Materials and Articles Intended to Come into Contact with Food Simulant A, Distilled Water Simulant B, 3% Acetic Acid Simulant C, 10% Ethanol Simulant D, 50% Ethanol Substitute test, 95% Ethanol and Iso-Octane Rectified Olive Oil	European Commission Regulations (EU) No. 10/2011 Article 12 and ANNEX III European Commission Directive 2002/72/EC Article 2 EN 1186-1:2002 EN 1186-3:2002 (Total Immersion Method) EN 1186-5:2002 (Cell Method) EN 1186-9:2002 (Article Filling Method) EN 1186-14:2002 (Substitute Test Method) EN 1186-2:2002 (Total Immersion Method) EN 1186-4:2002 (Cell Method) EN 1186-8:2002 (Article Filling Method)
Analysis of Chlorophosphate Flame Retardants in Consumer Products (GC/MS analysis) Tris(2-chloroethyl) Phosphate Tris(1-chloro-2-propyl) Phosphate Tris(1,3-dichloro-2-propyl) Phosphate	SOP 9-82



TEST TYPE/TECHNOLOGY	TEST METHOD
Analysis of Di-(2-ethylexyl) Phthalate (DEHP) Content in Consumer Products by HPLC-MS	California Proposition 65 Settlement SOP 9-63
Determination of Total Nitrogen Content in Melamine Polymer by Dumas Method	In-House Method SOP 9-103

¹This is an in-house test method based on a modified version of the Battery Industry Standard Analytical Method – April 1998. The inclusion of this method on this Scope does not confer laboratory accreditation; the laboratory is only accredited for the test methods listed above.

²This is an in-house test method based on a modified version of IEC 62321 Annex A – Determination of PBB and PBDE in polymers by GC-MS. The inclusion of this IEC method on this Scope does not confer laboratory accreditation; the laboratory is only accredited for the test methods listed above.

³This is an in-house test method based on a modified version of IEC 62321 Annex B – Test for the presence of hexavalent chromium (Cr(VI)) in colorless and colored corrosion-protected coatings on metals. The inclusion of this IEC method on this Scope does not confer laboratory accreditation; the laboratory is only accredited for the test methods listed above.

The Consumer Product Safety Improvement Act (CPSIA) requires that every children's product subject to a federal consumer product safety requirement be tested by a Consumer Product Safety Commission (CPSC) accepted laboratory for compliance with the applicable federal children's product safety requirements. Accreditation by A2LA does not infer acceptance by the CPSC. Please verify this organization's acceptance status by using the CPSC's searchable database, located at <http://www.cpsc.gov/cgi-bin/labsearch/>.





Accredited Laboratory

A2LA has accredited

CONSUMER TESTING LABORATORIES (FAR EAST), LTD.

Kwai Chung, Hong Kong

for technical competence in the field of

Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 7th day of February 2017.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 2795.01
Valid to February 28, 2019

For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.