



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CONSUMER TESTING LABORATORIES (FAR EAST) LTD.  
Unit 702-704 7<sup>th</sup> Floor, Riley House  
88 Lei Muk Road  
Kwai Chung, Hong Kong  
Joseph Sin Phone: 852-2943-4692

CHEMICAL

Valid To: February 28, 2021

Certificate Number: 2795.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory and satellite 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<sup>1</sup> (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 (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**

Total Lead Content in Surface Coatings

CPSC-CH-E1003-09.1

ASTM E1645 – Standard Practice for Preparation of Dried Paint Samples by Hotplate or Microwave Digestion for Subsequent Lead Analysis

16 CFR Part 1303

ASTM F963-11 Section 4.3.5.1(1), 8.3  
ASTM F963-16 Section 4.5.3.1, 8.3  
ASTM F963-17 Section 4.5.3.1, 8.3

ASTM F2853-10<sup>1</sup> – 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

Total Lead and Cadmium Content of Metal Items

CPSC-CH-E1001-08.1  
CPSC-CH-E1001-08.2  
CPSC-CH-E1001-08.3

Determination of Soluble Heavy Elements (Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium) in Surface Coatings and Substrates

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  
ASTM F963-17 Section 4.3.5.1  
ASTM F963-17 Section 4.3.5.2  
ASTM F963-17 Section 8.3

EN 71: Part 3:1994, Sections 8.1-8.5+AL:2000 & AC:2002

Determination of Extractable Cadmium from Metal Items

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 F963-17 Section 4.3.5.2  
ASTM F963-16 Section 8.3  
ASTM F963-17 Section 8.3



**TEST TYPE/TECHNOLOGY****TEST METHOD**

Determination of Lead and Cadmium Extracted from Ceramicware & Glassware

ASTM C927  
ASTM C738 / AOAC 973.32  
ASTM F963-11 Section 4.3.3.2  
ASTM F963-16 Section 4.3.3.2  
ASTM F963-17 Section 4.3.3.2

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<sup>3</sup> - Hexavalent Chromium  
SOP 9-26 – Mercury

Determination of Mercury in Batteries

SOP 9-40<sup>1</sup>

Determination of Nickel Release from Products Intended for Prolonged Skin Contact

EN 1811:2011 (2015)  
EN 12472:2005+A1:2009

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  
ASTM F963-17 Section 4.3.5  
ASTM F963-17 Section 8.3

Determination of Total Mercury Content in Cosmetics

SOP 9-26

Determination of Total Nitrogen Content in Melamine Polymer by Dumas Method

In-House Method SOP 9-103



SATELLITE  
CONSUMER TESTING LABORATORIES (FAR EAST) LTD.  
63 Wo Yi Hop Road  
Kwai Chung, Hong Kong

<b>TEST TYPE/TECHNOLOGY</b>	<b>TEST METHOD</b>
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
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 ASTM F963-17 Sections 4.3.7 & 8.29
Phthalate Content in Child Care Items and Toys	CPSC-CH-C1001-09.4
Total Lead Content in Surface Coatings	CPSC-CH-E1003-09.1  ASTM E1645 – Standard Practice for Preparation of Dried Paint Samples by Hotplate or Microwave Digestion for Subsequent Lead Analysis  16 CFR Part 1303  ASTM F963-11 Section 4.3.5.1(1), 8.3 ASTM F963-16 Section 4.5.3.1, 8.3 ASTM F963-17 Section 4.5.3.1, 8.3



**TEST TYPE/TECHNOLOGY**

Total Lead and Cadmium Content of Metal Items

**TEST METHOD**

CPSC-CH-E1001-08.1

CPSC-CH-E1001-08.2

CPSC-CH-E1001-08.3

Determination of Soluble Heavy Elements  
(Antimony, Arsenic, Barium, Cadmium,  
Chromium, Lead, Mercury, Selenium) in Surface  
Coatings and Substrates

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

ASTM F963-17 Section 4.3.5.1

ASTM F963-17 Section 4.3.5.2

ASTM F963-17 Section 8.3

EN 71: Part 3:1994, Sections 8.1-8.5+AL:2000 &amp;

AC:2002

Determination of Extractable Cadmium from  
Metal Items

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 F963-17 Section 4.3.5.2

ASTM F963-16 Section 8.3

ASTM F963-17 Section 8.3

Determination of Lead and Cadmium  
Extracted from Ceramicware & Glassware

ASTM C927

ASTM C738 / AOAC 973.32

ASTM F963-11 Section 4.3.3.2

ASTM F963-16 Section 4.3.3.2

ASTM F963-17 Section 4.3.3.2

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<sup>3</sup> - Hexavalent Chromium

SOP 9-26 - Mercury

Determination of Nickel Release from  
Products Intended for Prolonged Skin  
Contact

EN 1811:2011 (2015)

EN 12472:2005+A1:2009

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<sup>2</sup>

**TEST TYPE/TECHNOLOGY**

Total Heavy Metal Elements in Surface Coatings and Substrates

**TEST METHOD**

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  
 ASTM F963-17 Section 4.3.5  
 ASTM F963-17 Section 8.3

16 CFR Part 1500.231 - Guidance for Hazardous Liquid Chemicals in Children's Products

SOP 9-67

Method of Test for Flashpoint of Volatile Flammable Materials

16 CFR 1500.43a

**US FDA Food Contact Testing**

Resinous and Polymeric Coatings

ASTM F963-11 Section 4.3.3  
 ASTM F963-16 Section 4.3.3  
 ASTM F963-17 Section 4.3.3  
 21 CFR Part 175.300(e)

Components of Paper and Paperboard in Contact with Aqueous and Fatty Foods

21 CFR Part 176.170(d)

Acrylic and Modified Acrylic Plastics, Semi-Rigid and Rigid

21 CFR Part 177.1010

Closures with Sealing Gaskets for Food Containers

21 CFR Part 177.1210(c)

Ethylene-Vinyl Acetate Copolymers

21 CFR Part 177.1350(b)

Melamine-Formaldehyde Resins in Molded Articles

21 CFR Part 177.1460(c)

Nylon Resins

21 CFR Part 177.1500(d)

Olefin Polymers

21 CFR Part 177.1520(d)

Polycarbonate Resins

21 CFR Part 177.1580(c)

Polyethylene Phthalate Polymers

21 CFR Part 177.1630(f), (g), & (i)

Polystyrene and Rubber-Modified Polystyrene

21 CFR Part 177.1640(c)&(d)  
 9-57 SOP

Styrene Block Polymers

21 CFR Part 177.1810(b)

Styrene-Maleic Anhydride Copolymers

21 CFR Part 177.1820

Styrene-Methyl Methacrylate Copolymers

21 CFR Part 177.1830(b)

TEST TYPE/TECHNOLOGY	TEST METHOD
US FDA Food Contact Testing cont'd	
Urea-Formaldehyde Resins in Molded Articles	21 CFR Part 177.1900(c)
Polyester Resins, Cross-Linked	21 CFR Part 177.2420(c)
Polyoxymethylene Copolymer	21 CFR Part 177.2470(d)
Polyoxymethylene Homopolymer	21 CFR Part 177.2480
Rubber Articles Intended for Repeated Use	21 CFR Part 177.2600(e)&(f)
Mineral Reinforced Nylon Resins	21 CFR Part 177.2355
Acrylonitrile Copolymers and Resins	21 CFR Part 181.32
Analysis of Chlorophosphate Flame Retardants in Consumer Products (GC/MS analysis)	SOP 9-82
Tris(2-chloroethyl) Phosphate	
Tris(1-chloro-2-propyl) Phosphate	
Tris(1,3-dichloro-2-propyl) Phosphate	

<sup>1</sup>This 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.

<sup>2</sup>This 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.

<sup>3</sup>This 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 17025:2017 *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 April 2017).



Presented this 6<sup>th</sup> day of June 2019.

A handwritten signature in blue ink, appearing to be 'A. M. ...', written over a horizontal line.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 2795.01  
Valid to February 28, 2021