



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SEA, Ltd.  
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Columbus, OH 43229  
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CHEMICAL<sup>1</sup>

Valid To: September 30, 2023

Certificate Number: 2894.01

In recognition of the successful completion of the A2LA Accreditation Program, accreditation is granted to this laboratory to perform the following on fire debris sample preparations, analysis, and lead testing on consumer products as required by 16 CFR 1303:

<u>Test Type/Technology</u>	<u>Test Method(s)</u>
<u>Fire Debris Analysis</u>	
Extraction and Derivatization of Vegetable Oils and Fats from Fire Debris and Liquid Samples with Analysis by Gas Chromatography-Mass Spectrometry	ASTM E2881
Ignitable Liquid Residues in Extracts from Fire Debris Samples by Gas Chromatography-Mass Spectrometry	ASTM E1618
Separation of Ignitable Liquid Residues from Fire Debris Samples by Passive Headspace Concentration with Activated Charcoal	ASTM E1412
Separation of Ignitable Liquid Residues from Fire Debris Samples by Solvent Extraction	ASTM E1386
<u>Lead and Cadmium Analysis</u>	
Leachable Lead and Cadmium in Flatware, Hollow-ware, and Tableware	ASTM C738 (Sample Leaching) Internal SOP ICP-02
Lead and Cadmium in Children's Metal Products (Including Children's Metal Jewelry)	CPSC-CH-E1001-08 (Hotplate and Microwave Digestion) EPA 6020A Internal SOP ICP-02
Lead and Cadmium in Metal Substrates	CPSC-CH-E1001-08 (Hotplate and Microwave Digestion) EPA 6020A Internal SOP ICP-02

<b><u>Test Type/Technology</u></b>	<b><u>Test Method(s)</u></b>
<b><u>Lead and Cadmium Analysis (cont'd)</u></b>	
Lead and Cadmium in Surface Coating	ASTM E1645 (Hotplate and Microwave Digestion, Modified) CPSC-CH-E1003-09 (Hotplate and Microwave Digestion) EPA 6020A Internal SOP ICP-02
Lead in Candle Wicks	CPSC-CH-E1001-08 (Hotplate and Microwave Digestion) Internal SOP ICP-02
Lead in Dried Paint Film	ASTM E1645 (Hotplate and Microwave Digestion, Modified) CPSC-CH-E1003-09 (Hotplate and Microwave Digestion) Internal SOP ICP-02
Lead in Water	EPA Method 200.8

<sup>1</sup> 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

**SEA, Ltd.**

Columbus, OH

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 9<sup>th</sup> day of July 2021.

A blue ink signature of the Vice President, Accreditation Services.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 2894.01  
Valid to September 30, 2023

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