



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Mutual Cornell

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TESTING

Valid to: August 4, 2013

Certificate Number: AT - 1404

I. Chemical

ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	*DETECTION LIMIT/ RANGE/ EQUIPMENT
Total Lead and Total Cadmium in Metal & Non-Metal Children's Products	Total Lead Total Cadmium	Internal SOP P-015 based on USEPA 3050B Procedure for Acid Digestion of Sediments, Sludges & Soils Internal SOP P-016 based on USEPA 3052 Procedure for Acid Digestion of Siliceous & Organically-Based Matrices Internal SOP P-017 based on CPSC-CH-E1001-08 Procedure for Determining Total Lead in Children's Products CPSC-CH-E1002-08.1 Procedure for Determining Total Lead in Non-Metal Children's Products	Perkin Elmer AAnalyst 200/400 AA Spectrometer Perkin Elmer Optima 2100 DV ICP – OES
Total Lead & Total Cadmium in Paint & Other Similar Surface Coatings	Total Lead Total Cadmium	Internal SOP P-015 based on USEPA 3050B Procedure for Acid Digestion of Sediments, Sludges & Soils Internal SOP P-018 based on CPSC-CH-E1003-09 16 CFR Part 1303 Procedure for Total Lead & Total Cadmium in Paint & Other Similar Surface Coatings	Perkin Elmer AAnalyst 200/400 AA Spectrometer Perkin Elmer Optima 2100 DV ICP – OES
Migration of Certain Elements in Adult and Children's Products (Including Toys and Jewelry)	Total Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury and Selenium	Internal SOP P-105 based on BS EN 71-3:1994 Safety of Toys – Part 3: Migration of Certain Elements	Perkin Elmer Optima 2100 DV ICP-OES
Determination of Phthalates in Adult and Children's Products (Including Toys and Jewelry)	DEHP, DBP, DNOP, DIDP, DINP, BBP	Internal SOP P-047 based on CPSC-CH-C1001-09.3 Standard Operating Procedure for Determination of Phthalates	Thermo Scientific Trace GC Ultra Gas Chromatograph / DSQ II Mass Spectrometer



ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	*DETECTION LIMIT/ RANGE/ EQUIPMENT
Determination of Total Lead in Non-Metal (Crystal, Ceramic and Siliceous Materials) Childrens' Products	Total Lead	Internal SOP P-048 based on CPSC-CH-E1002-08.1 Standard Operating Procedure for Determining Total Lead in Non-Metal Children's Products	Perkin Elmer AAnalyst 200/400 Atomic Absorption Spectrometer Thermo Scientific Niton XL3t XRF Fischer Technology Fischerscope XAN-DPP
Soluble (Leachable) Cadmium Extractability from Children's Metal Jewelry	Soluble (Leachable) Cadmium	Internal SOP P-107 based on CPSC-CH-E1004-11 Standard Operating Procedure for Determining Cadmium (Cd) Extractability from Children's Metal Jewelry (January 24, 2011)	Perkin Elmer Optima 2100 DV ICP-OES
Migration of Certain Elements in Adult and Children's Products (Including Toys and Jewelry)	Soluble (Leachable) Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury and Selenium	Internal SOP P-106 based on ASTM F 963-08, Section 4.3.5.2 (Surface Coating Materials – Soluble Test for Metals), Section 8.3 (Method to Dissolve Soluble Matter) Standard Consumer Safety Specification for Toy Safety (BS EN 71-3:1995 Safety of Toys – Part 3: Migration of Certain Elements)	Perkin Elmer Optima 2100 DV ICP-OES
Determination of Phthalates in Adult and Children's Products (Including Toys and Jewelry)	DNHP (Di-n-hexyl phthalate)	Internal SOP No. P-047 based on CPSC-CH-C1001-09.2 Standard Operating Procedure for Determination of Phthalates	GC/MS Thermo Scientific Trace GC Ultra Gas Chromatograph DSQ II Mass Spectrometer
Electrotechnical products	Determination of levels of six regulated substances (lead, mercury ¹ , cadmium, hexavalent chromium ¹ , and bromine). ¹ Uncertainty budgets available.	Internal SOP No. P-177 based on IEC 62321 Ed.1 Microwave Digestion Procedure and Internal SOP No. P-017 based on CPSC-CH-E1001-08 Procedure for Determining Total Lead in Children's Products CPSC-CH-E1002-08.1 Procedure for Determining Total Lead in Non-Metal Children's Products	ICP-OES Perkin Elmer Optima 2100 DV Inductively Coupled Plasma – Optical Emission

II. Mechanical Testing

ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	*KEY EQUIPMENT OR TECHNOLOGY
Polycarbonate and acrylic sunglass lens	Determination of the ability of a lens to meet basic impact resistance.	Internal SOP No. P-189 based on ANSI Z80.3 2010 CFR 21 Chapter 1, Subchapter H, Part 801.401	Drop Ball Tester Brain Power Incorporated (BPI) Model 19105

Notes:

1. * = As Applicable
2. This scope is part of and must be included with the Certificate of Accreditation No. AT-1404



Vice President

