



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Mutual Cornell

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TESTING

Valid to: August 4, 2015

Certificate Number: AT - 1404

I. Chemical Testing

ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	* KEY EQUIPMENT OR TECHNOLOGY
Total Metals in Metal & Non-Metal (Paint, Crystal, Ceramic, Siliceous & Other Similar Surface Coatings) in Adult, Children's & Electrotechnical Products	Total Arsenic Total Cadmium Total Chromium Total Cobalt Total Lead Total Mercury Total Nickel	CPSC-CH-E1001-08 CPSC-CH-E1002-08.1 CPSC-CH-E1003-09 16 CFR Part 1303 IEC 62321 Ed. 1	Inductively Coupled Plasma / Optical Emission Spectrometer
Total Metals in Metal & Non-Metal (Paint, Crystal, Ceramic, Siliceous & Other Similar Surface Coatings) in Adult & Children's Products	Total Cadmium Total Lead	USEPA 3050B USEPA 3051A USEPA 3052	Atomic Absorption Spectrometer
Total Metals in Plastics in Adult, Children's & Electrotechnical Products	Total Bromine Total Cadmium Total Chromium Total Lead Total Mercury	CPSC-CH-E1002-08.1 IEC 62321 Ed. 1	X-Ray Fluoroscope (XRF)
Determination of Phthalates in Adult and Children's Products (Including Toys and Jewelry)	DEHP, DBP, DNOP, DIDP, DINP, BBP, DnHP, DIBP, DNPP, DAP	CPSC-CH-C1001-09.3	Gas Chromatograph / Mass Spectrometer
Soluble (Leachable) Cadmium Extractability from Children's Metal Jewelry	Soluble (Leachable) Cadmium	CPSC-CH-E1004-11	Inductively Coupled Plasma / Optical Emission Spectrometer



ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	* KEY EQUIPMENT OR TECHNOLOGY
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	ASTM F963-2008 (4.3.5.2) ASTM F963-2011(4.3.5.1(2)) ASTM F963-2011 (4.3.5.2) BS EN 71-3	Inductively Coupled Plasma / Optical Emission Spectrometer
Jewelry and Other Items	Test method for release of nickel from all articles intended to come into direct and prolonged contact with the skin.	EN 12472 (Wear) EN 1811 (Analytical)	Inductively Coupled Plasma / Optical Emission Spectrometer
Plastics	Bisphenol-A (BPA)	In-house test method	Inductively Coupled Plasma / Optical Emission Spectrometer
Electrotechnical Products	Hexavalent Chromium (Cr VI) (Spot Test & Extraction Methods)	IEC 62321	Chemical Indicator (1,5-diphenylcarbazide) UV / Visible Spectrophotometer

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	ANSI Z80.3 CFR 21 Chapter 1, Subchapter H, Part 801.401	Drop Ball Tester
Children's Toys and Other Articles	Sharp points on toys	EN71-1 (8.12) ASTM F963-2011 (4.9) CPSC 16 CFR 1500.48 (9.2.4)	Sharp Point Tester
Children's Toys and Other Articles	Sharp edges on toys	EN71-1 (8.11) ASTM F963-2011 (4.7) CPSC 16 CFR 1500.49 (4.8.2)	Sharp Edge Tester
Children's Toys and Other Articles	Checking accessibility on toys	EN71-1 (8.10) ASTM F963-2011 (4.18) CPSC 16 CFR 1500.49,51-53	Accessibility Probes
Children's Toys and Other Articles	Drop test on toys	EN71-1 (8.5) ASTM F963-2011 (8.7) CPSC 16 CFR 1500.51-53	Impact Flooring Medium
Children's Toys and Other Articles	Impact test on toys	EN71-1 (8.7)	1 kg Impact Tester
Children's Toys and Other Articles	Checking for small parts	EN71-1 (8.2) ASTM F963-2011 (4.6) CPSC 16 CFR 1501.4 (9.2.6)	Small Parts Cylinder
Children's Toys and Other Articles	Torque force on toys	EN71-1 (8.3) ASTM F963-2011 (8.8) CPSC 16 CFR 1500.51-53	Torque Test Kit Force Gauge
Children's Toys and Other Articles	Tension on toys	EN71-1 (8.4) ASTM F963-2011 (8.9) CPSC 16 CFR 1500.51-53	Tension Test Kit Force Gauge
Children's Toys and Other Articles	Compression on toys	EN71-1 (8.8) ASTM F963-2011 (8.10) CPSC 16 CFR 1500.51-53	Compression Head Force Gauge
Children's Toys and Other Articles	Flexure on wire	EN71-1 (8.13) ASTM F963-2011 (8.12) CPSC 16 CFR 1500.51-53	Flexure Tester Force Gauge

ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	*KEY EQUIPMENT OR TECHNOLOGY
Children's Toys and Other Articles	Testing of small balls	EN71-1 (8.32) ASTM F963-2011 (4.34) CPSC 16 CFR 1500.18(a(17))	Small Ball Test Fixture
Children's Toys and Other Articles	Testing of rattles	EN71-1 (8.16) ASTM F963-2011 (4.23) CPSC 16 CFR Part 1510.4 (11)	Rattle Test Fixtures Force Gauge
Children's Toys and Other Articles	Testing bite on toys	CPSC 16 CFR 1500.51-53	Bite Test Clamp Force Gauge
Children's Toys and Other Articles	Testing of pacifiers	ASTM F963-2011 (4.20) CPSC 16 CFR Part 1511	Pacifier Test Fixture Force Gauge
Children's Toys and Other Articles	Testing of seams on toys	EN71-1 (8.4) ASTM F963-2011 (4.27) CPSC 16 CFR 1500.51-53	Seam Test Clamp Force Gauge
Children's Toys and Other Articles	Cycle testing on toys	CPSC 16 CFR 1500.51-53	Impact Flooring Medium Flexure Tester Torque Test Kit Tension Test Kit Compression Head Seam Test Clamp Bite Test Clamp Force Gauge
Children's Toys and Other Articles	Normal use testing on toys	ASTM F963-2011 (8.5)	Compression Head Flexure Tester Force Gauge Impact Flooring Medium Tension Test Kit Torque Test Kit
Mechanical Analysis	Method for determining extremely flammable and flammable solids	CPSC 16 CFR 1500.44	Paraffin Candle
Mechanical Analysis	Energy dispersive X-ray fluorescence (EDXRF) for detection and quantification of lead in paint layers, similar coatings, or substrates and homogenous materials.	ASTM F2853-10	Energy Dispersive X-ray fluoroscope (EDXRF)

ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	*KEY EQUIPMENT OR TECHNOLOGY
Mechanical Environmental	Metal Products	ASTM B117-11	Salt Spray Chamber

Notes:

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



Vice President

