



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

UL-STR

10 Water St, Enfield, CT 06082
Mark Guilmain Phone: (781) 690- 4688

TESTING

Valid to: September 18, 2012

Certificate Number: AT - 1344

Table with 5 columns: FIELD OF TEST, ITEMS, MATERIALS OR PRODUCTS TESTED, SPECIFIC TESTS OR PROPERTIES MEASURED, SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED, \*DETECTION LIMIT/ RANGE/ EQUIPMENT. Rows include Mechanical tests for Packaging, Toys (Small Objects, Accessible Edges, Accessible Points, Rattles, Squeeze Toys, Balls, Pompoms) with various standards and equipment like Caliper, CPSC Small Parts Cylinder, Sharp-Edge Tester, etc.



<b>FIELD OF TEST</b>	<b>ITEMS, MATERIALS OR PRODUCTS TESTED</b>	<b>SPECIFIC TESTS OR PROPERTIES MEASURED</b>	<b>SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED</b>	<b>*DETECTION LIMIT/ RANGE/ EQUIPMENT</b>
Mechanical	Toys, Children's Products	Pacifiers	ASTM F 963-08 16 CFR 1511	Pacifier Test Fixture Push-Pull Gage
Mechanical	Toys	Impact / Drop Test	ASTM F 963-08, Section 8.7.1 16 CFR 1500.50 thru 16 CFR 1500.53	Specific tile per Federal Specification SS-T-312B
Mechanical	Large, Bulky Toys	Tip Over Test	ASTM F 963-08, Section 8.7.2	Scale
Mechanical	Wheeled Toys	Tumble Test	ASTM F 963-08, Section 8.7.3	Stair Assembly
Mechanical	Toys	Torque Tests for Removal of Components	ASTM F 963-08, Section 8.8 EN 71-1, Section 8.3 16 CFR 1500.50 thru 53	Torque Gage
Mechanical	Toys	Tension Test for Removal of Components	ASTM F 963-08, Section 8.9 EN 71-1, Section 8.4 16 CFR 1500.50 thru 53	Push-Pull Gage
Mechanical	Toys	Bite Test	16 CFR 1500.50 thru 16 CFR 1500.53	Push-pull Gage Bite Fixture
Mechanical	Stuffed Toys and Beanbag-Type Toys	Tension Test for Seams	ASTM F 963-08, Section 8.9.1	Push-Pull Gage & seam clamp
Mechanical	Toys	Compression Test	ASTM F 963-08, Section 8.10 EN 71-1, Section 8.8	Push-Pull Gage
Mechanical	Toys	Impact	EN 71-1, Section 8.7	1 Kg (2.2lbs) Weight
Mechanical	Toys	Drop	EN 71-1, Section 8.5	Steel Plate/Coating A Shore Hardness per EN ISO 868 or ISO 7619-2
Mechanical	Toys	Shape and Size of certain Toys	EN 71-1, Sections 5.8 & 8.16	Rattle test fixture Template A "■"
Mechanical	Toys	Materials	EN 71-1, Section 4.1, & Annex A.3	Visual

<b>FIELD OF TEST</b>	<b>ITEMS, MATERIALS OR PRODUCTS TESTED</b>	<b>SPECIFIC TESTS OR PROPERTIES MEASURED</b>	<b>SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED</b>	<b>*DETECTION LIMIT/ RANGE/ EQUIPMENT</b>
Mechanical	Toys	Assembly	EN 71-1,Section 4.2 & Annex A.4	Visual
Mechanical	Toys	Play Figures	EN 71-1 Sections 5.11 & 8.33	Supplemental Test fixture B “o”
Flammability	Toys	Flammability of Toys	EN 71-2, Section .4.1 (Excluding flammable liquids, gases and solids.)	Fume Hoods
Mechanical	Textile Products	Dimensional Changes of Fabrics after Home Laundering	AATCC 135	Ballast Scale: Detector T-10 Dryers: Kenmore 70 series, 80 series, Quiet Pak II Digital Thermometer & Probes
Mechanical	Textile Products	Test Method for Mass Per Unit Area (Weight) of Fabric	ASTM D 3776	Analytical Balance
Mechanical	Textile Products	Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab)	ASTM D 5034	Instron Universal Testing Machine
Mechanical	Textile Products	Dimensional Changes of Garments after Home Laundering	AATCC 150	Ballast Scale: Detector T-10 Washing Machines: Kenmore 70 series, Kenmore 80 series, Ultimate Care II Dryers: Kenmore 70 series, 80 series, Quiet Pak II Digital Thermometer & 2 Probes 120 in Measuring Tape
Mechanical	Textile Products	Colorfastness to Crocking	AATCC 8	Crockmeter AATCC Gray Scale Analytical Balance Macbeth Spectralight SPL-75B
Mechanical	Textile Products	Colorfastness to Perspiration	AATCC 15	Perspiration Tester AATCC Chromatic Transference Scale
Mechanical	Textile Products	Colorfastness to Laundering, Home and Commercial: Accelerated	AATCC 61	Launderometer: Atlas Electrical Devices LEF Balance: Mettler BB1220 Macbeth Spectralight SPL-75B AATCC Gray Scale



<b>FIELD OF TEST</b>	<b>ITEMS, MATERIALS OR PRODUCTS TESTED</b>	<b>SPECIFIC TESTS OR PROPERTIES MEASURED</b>	<b>SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED</b>	<b>*DETECTION LIMIT/ RANGE/ EQUIPMENT</b>
Mechanical	Textile Products	Colorfastness to Drycleaning	AATCC 132	All Textiles
Mechanical	Textile Products	Colorfastness to Water: Sea	AATCC 106	Perspiration Tester Oven Balance, AATCC Gray Scale
Mechanical	Textile Products	Colorfastness to Water	AATCC 107	Perspiration Tester AATCC Gray Scale
Mechanical	Textile Products	Colorfastness to Chlorine Bleach: Spot Test	STR TP 0080	AATCC Gray Scales Macbeth Spectralight SPL-75B
Mechanical	Textile Products	Colorfastness to Non-Chlorine Bleach: Spot Test	STR TP 0130	AATCC Gray Scales Macbeth Spectralight SPL-75B
Mechanical	Vulcanized Rubber and Thermoplastic	Tensile Properties	ASTM D 412	Instron Universal Testing Machine: to 20 000 lb
Mechanical	Plastics	Tensile Properties	ASTM D 638	Instron Universal Testing Machine: to 20 000 lb
Mechanical	Plastics	Flexural Properties	ASTM D 790 (3-point)	Instron Universal Testing Machine: to 20 000 lb
Mechanical	Plastics	Density and Specific Gravity (Relative Density)	ASTM D 792 (Method A)	Mettler Balance: 10 µg
Mechanical	Plastics	Melt Flow Rates	ASTM D 1238 (Procedure A)	Tinius Olsen Extrusion Plastometer
Mechanical	Plastics	Tensile Properties of Thin Plastic Sheeting	ASTM D 882	Instron Universal Testing Machine: to 20 000 lb
Mechanical	Plastics	Brittleness temperature	ASTM D 746	Brittleness Tester
Chemical	Surface Coatings, Plastics, Polymeric Materials, Metal and Metal Alloys, Ceramic, Glass and Silicate Materials	Total Lead, Cadmium, Chromium, and Mercury	STR TP 0165 and 0166 RoHS Directives 16 CFR 1303 CPSC-CH-E1002-08	ICP & AAS, Milestone Microwave Station



<b>FIELD OF TEST</b>	<b>ITEMS, MATERIALS OR PRODUCTS TESTED</b>	<b>SPECIFIC TESTS OR PROPERTIES MEASURED</b>	<b>SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED</b>	<b>*DETECTION LIMIT/ RANGE/ EQUIPMENT</b>
Chemical	Children's Products Containing Lead, Children's Metal Jewelry	Total Lead	CPSC-CH-E1001-08 STR TP 0179	ICP & AAS
Chemical	Ceramic, Glass and Silicate Materials	Total Lead, Cadmium, Chromium, and Mercury	STR TP 0167 RoHS Directives	ICP & AAS Milestone Microwave Station
Chemical	Toys	Specification for Migration of Certain Elements	ASTM F 963 EN71-3	ICP & AAS Milestone Microwave Station
Chemical	Toys, Child Care Items	Determination of Phthalates	CPSC-CH-C1001-09.3	GC-MS
Flammability	Textile Products	Flammability of Clothing Textiles	16 CFR 1610 ASTM D 1230	45° Angle Flame Tester
Flammability	Textile Products	Flammability of Children's sleepwear (Fabric or non-tight fitting garments)	16 CFR 1615/1616	Vertical Flame tester
Flammability	Plastic Materials	Flammability of Plastic Materials for Parts in Devices in Appliances	UL94, horizontal UL94, 20 mm vertical UL94, 125 mm vertical UL94, VTM UL94, Foamed Material, horizontal	UL Certified Fume Hoods Tenma Multimeter Millimeter Micrometer Gas Flow Meters
Dimensions	Packaging	Thickness	ASTM F963 EN71-1 Sections 4.3, 5.3, 6, 8.25	Dial Thickness Gage
Mechanical	Plastic Materials	Dielectric Strength	ASTM D149	Phoenix DS Tester Timer
Mechanical	Plastic Materials	Izod Impact	ASTM D256 (Except method D)	Pendulum-type Impact Tester Notch cutter
Mechanical	Plastic Materials	Durometer Hardness	ASTM D2240, Type A and Type D	Durometer Hardness Tester



<b>FIELD OF TEST</b>	<b>ITEMS, MATERIALS OR PRODUCTS TESTED</b>	<b>SPECIFIC TESTS OR PROPERTIES MEASURED</b>	<b>SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED</b>	<b>*DETECTION LIMIT/ RANGE/ EQUIPMENT</b>
Mechanical	Rubber, Flexible Polymers and Rubber Coated Fabrics	Brittleness temperature	ASTM D 2137	Brittleness Tester
Mechanical	Plastics	Deflection Temperature of Plastics	ASTM D 648	Heat Deflection Tester
Mechanical	Beds	Bunk beds	ASTM F1427 excluding sections 4.9 & 5.7; 16CFR1513, 16CFR1213	Calipers, tape measures, weights, balance
Mechanical	Beds	Toddler beds	ASTM F1821 16CFR 1217	Calipers, tape measures, weights, balance
Mechanical	Labels	Label Inspection	ASTM D3359	Ruler, Cutting Tool

**Notes:**

1. \* = As Applicable
2. This scope is part of and must be included with the Certificate of Accreditation No. AT- 1344




---

Vice President

