



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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MECHANICAL

Valid To: June 30, 2023

Certificate Number: 3331.10

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on toys and textile consumer products:

<u>Test:</u>	<u>Test Method(s) ^{1,2}:</u>
Small Parts	16 CFR 1501; ASTM F963-17 (Section 4.6)
Sharp Points	16 CFR 1500.48; ASTM F963-17 (Section 4.9)
Sharp Edges	16 CFR 1500.49; ASTM F963-17 (Section 4.7)
Rattles	16 CFR 1510; ASTM F963-17 (Section 4.23)
Pacifiers	16 CFR 1511; ASTM F963-17 (Section 4.20.2)
Dive Sticks	16 CFR 1500.18(a) (19), 1500.86(a) (7), (8)
Tumble Test for Wheeled Toys	ASTM F963-17 (Section 8.7.3)
Tire Removal and Snap-in Wheel and Axle Assembly Removal	ASTM F963-17 (Sections 4.17 and 8.11)
Stuffing Materials	ASTM F963-17 (Section 4.3.7)
Sound Producing Toys	ASTM F963-17 (Sections 4.5 and 8.20)
Mouth Actuated Toys	ASTM F963-17 (Sections 4.6.2 and 8.13)
Projections / Bath Toy Projections	ASTM F963-17 (Section 4.8 and Annex A4)

Test:**Test Method(s) ^{1,2}:**

Wires and Rods	ASTM F963-17 (Sections 4.10 and 8.12)
Nails and Fasteners	ASTM F963-17 (Section 4.11)
Packaging / Plastic Film	ASTM F963-17 (Sections 4.12 and 8.21)
Determination of Thickness of Plastic Film Test Specimens	ASTM D6988-08
Folding Mechanisms and Hinges	ASTM F963-17 (Sections 4.13 and 8.25)
Cords, Straps, Loops, and Elastics in Toys	ASTM F963-17 (Sections 4.14.1, 4.14.2, 4.14.3, 4.14.5, 8.22.1, 8.22.2, and 8.22.3)
Confined Spaces	ASTM F963-17 (Section 4.16)
Holes, Clearance and Accessibility of Mechanisms	ASTM F963-17 (Section 4.18)
Impact Test for Toys that Cover the Face	ASTM F963-17 (Sections 4.19 and 8.7.4)
Teethers and Teething Toys	ASTM F963-17 (Section 4.22)
Squeeze Toys	ASTM F963-17 (Section 4.24)
Battery-Operated Toys	ASTM F963-17 (Section 4.25, [excluding 4.25.10])
Toys Intended to be Attached to a Crib or Playpen	ASTM F963-17 (Section 4.26, Annex A3)
Normal Use Testing	ASTM F963-17 (Section 8.5)
Washable Toys	ASTM F963-17 (Sections 8.5.1 and 8.5.1.1)
<i>Use and Abuse Testing</i>	
Impact	16 CFR 1500.51(b), 1500.52(b), 1500.53(b); ASTM F963-17 (Sections 8.7.1 and 8.7.4)
Drop	ASTM F963-17 (Section 8.7.1)
Tip-Over	16 CFR 1500.51(b), 1500.52(b), 1500.53(b); ASTM F963-17 (Section 8.7.2)
Torque	16 CFR 1500.51(e), 1500.52(e), 1500.53(e); ASTM F963-17 (Section 8.8)
Tension	16 CFR 1500.51(f), 1500.52(f), 1500.53(f); ASTM F963-17 (Section 8.9)
Seam Strength	16 CFR 1500.51(f), 1500.52(f), 1500.53(f); ASTM F963-17 (Section 8.9.1)

Test:

Test Method(s) ^{1,2}:

Use and Abuse Testing (cont.)

Compression	16 CFR 1500.51(g), 1500.52(g), 1500.53(g); ASTM F963-17 (Section 8.10)
Flexure	16 CFR 1500.51(d), 1500.52(d), 1500.53(d); ASTM F963-17 (Section 8.12)
Stuffed and Beanbag-type Toys	ASTM F963-17 (Section 4.27)
Art Materials	16 CFR 1500.14(b)(8); ASTM F963-17 (Section 4.29)
Toy Gun Marking - Marking of Toy, Look-a-Like, and Imitation Firearms	15 CFR 1150; ASTM F963-17 (Section 4.30)
Certain Toys with Spherical / Nearly Spherical Ends	ASTM F963-17 (Section 4.32)
Hemispherical Toys	ASTM F963-17 (Section 4.36)
Balls	16 CFR 1500.18(a)(17), 1500.19; ASTM F963-17 (Section 4.34)
Magnets	ASTM F963-17 (Section 4.38)
Jaw Entrapment in Handles and Steering Wheels	ASTM F963-17 (Section 4.39)
Stability of Ride-on Toys / Toy Seats	ASTM F963-17 (Sections 4.15 and 8.15)
Pompoms by Torque and Tension	ASTM F963-17 (Sections 4.35 and 8.16)
Safety Labeling Requirements	16 CFR 1500.19; ASTM F963-17 (Section 5.3)
Children's Jewelry	ASTM F2923 (Sections 4, 12, and 13)
Flammability of Clothing Textiles	16 CFR 1610; ASTM D1230; CAN/CGSB-4.2 No. 27.5
Flammability Testing Procedure for Fabrics	ASTM F963-17 (Annex A6)
Method for Determining Extremely Flammable and Flammable Solids	16 CFR 1500.44; ASTM F963-17 (Annex A5)
Fire Safety for Candles	ASTM F2417
Fire Safety for Candle Accessories	ASTM F2601
Candle Fire Safety Labeling	ASTM F2058
Fiber Analysis	AATCC 20

Test:

Fiber Analysis: Quantitative
Random Tumble Pilling
Bursting Strength
Water Repellency (Rain Test)
Water Repellency (Spray Test)
Wicking - Horizontal
Wicking - Vertical
Tensile Properties
Fabric Weight
Skew Change in Fabrics after Home Laundering
Dimensional Change of Fabrics after Home Laundering
Dimensional Change of Garments after Home Laundering
Dimensional Change in Domestic Laundering of Textiles
Colorfastness to Non-Chlorine Bleach
Colorfastness to Chlorinated Water
Colorfastness to Water
Colorfastness to Sea Water
Colorfastness to Perspiration
Colorfastness to Rubbing/Crocking
Thread Count Warp End Count and Filling Pick Count of Woven
Fabric Defects
Country of Origin
Care Label Review

Test Method(s) ^{1,2}:

AATCC 20A (*excluding Sections 8 and 9*)
ASTM D3512
ASTM D3786
AATCC 35
AATCC 22
AATCC 198
AATCC 197
ASTM 5034; ASTM D1683
ASTM D3776, Option C
AATCC 179, Methods 1 & 2
AATCC 135
AATCC 150
CAN/CGSB 4.2 No. 58
AATCC TM 172
AATCC 162
AATCC 107
AATCC 106
AATCC 15; CAN/CGSB 4.2 No. 23
AATCC 8 / AATCC 116 Prints
ASTM D3775
ASTM D3990
16 CFR Part 300; 16 CFR Part 303;
16 CFR Part 134
16 CFR Part 423;
ASTM D3136; ASTM D5489

Test:**Test Method(s) ^{1,2}:**

Digital Micrometer

ASTM D1777, Option 1

Tear Strength

ASTM D1424

pH of the Water-Extract from Wet Processed Textiles

AATCC TM81

Colorfastness to Laundering,
Home and Commercial: AcceleratedAATCC 61, Test 2A;
CAN/CGSB 4.2 No. 19.1

Seam Smoothness in Fabrics after Home Laundering

AATCC 88B

Retention of Creases in Fabrics after Repeated
Home Laundering

AATCC 88C

¹ When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA *R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.

² 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

TUV RHEINLAND OF NORTH AMERICA, INC.

Bentonville, AR

for technical competence in the field of

Mechanical 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 7th day of June 2021.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3331.10
Valid to June 30, 2023

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