



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

Armstrong Forensic Laboratory, Inc.
330 Loch'n Green Trail, Arlington, TX 76012

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

***Chemical Analysis and Mechanical Testing of Toys
and other Children's Products***
(As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

<i>Initial Accreditation Date:</i>	<i>Issue Date:</i>	<i>Expiration Date</i>
February 18, 2009	July 19, 2023	September 30, 2025

<i>Accreditation No:</i>	<i>Certificate No:</i>
64631	L23-556

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjlab.com



Certificate of Accreditation: Supplement

Armstrong Forensic Laboratory, Inc.

330 Loch'n Green Trail, Arlington, TX 76012

Contact Name: Ms. Chelynne Washington Phone: 817-727-5291

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT	
Chemical ^F	Paint and Other Similar Surface Coatings	Lead by ICP	16 CFR Part 1303 CPSC-CH-1003-09	ICP: 5 µg/L Instrument Calibration Limit	
	Children's Metal Jewelry and Other Metal Products		CPSC-CH-E1001-08		
	Children's Non-Metal & Plastic Products		CPSC-CH-E1002-08		
	Paint & Other Similar Surface Coating	Lead by FAA	CPSC-CH-E1003-09	FAA: 200 µg/L Instrument Calibration Limit	
	Children's Metal; Jewelry & Other Metal Products		CPSC-CH-E1001-08		
	Children's Non-Metal Plastic		CPSC-CH-E1002-08		
	Paints and Other Similar Surface Materials		Lead	ASTM F963-17 4.3.5.1	5 µg/L Instrument Calibration Limit
			Arsenic		
			Selenium		
			Chromium		
			Antimony		
			Cadmium		
Barium					
Mercury			0.1 µg/L Instrument Calibration Limit		
Toy Substrate Materials		Lead	ASTM F963-17 4.3.5.2	5 µg/L Instrument Calibration Limit	
		Arsenic			
		Selenium			
		Chromium			
		Antimony			
		Cadmium			
		Barium			
		Mercury			0.1 µg/L Instrument Calibration Limit



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Chemical ^F	Toys and Children Products	Dibutyl phthalate	CPSC-CH-C1001-09.4	0.5 mg/L Instrument Calibration Limit	
		Bis(2-ethyl-hexyl) phthalate			
		Di-n-octyl phthalate			
		Di-isonyl phthalate			
		Di-isodecyl phthalate			
		Benzyl butyl phthalate			
		Di-n hexyl phthalate			
		Di-iso butyl phthalate			
		Di-n-pentyl phthalate			
		Dicyclohexyl phthalate			
Paints, Surface Coatings, and Substrates		Metals including Aluminum, Antimony, Arsenic, Barium, Boron, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Nickel, Selenium, Strontium, Tin, Zinc	Metals by ICP EPA 7199 EPA 7471B	5 µg/L Instrument Calibration Limit	
		Organic Tin, Analyzed as Tin			
		Chromium (VI) by IC			2 µg/L Instrument Calibration Limit
		Mercury by CVAA			0.1 µg/L Instrument Calibration Limit
Mechanical ^F	Toys and Other Children's Products	Small Parts	16 CFR 1501 ASTM F963-17 (Sec. 4.6)	Go/No Go	
		Sharp Points Flexibility Nails/fasteners Projections Accessible points Wire/Rods	16 CFR 1500.48 ASTM F963-17 (Sec. 4.8-4.11)		
		Use and Abuse Testing	16 CFR 1500.51/1500.52 ASTM F963-17 (Sec. 8.5-8.12)	Various	
		Sharp Edges Accessible Edges	16 CFR 1500.49 ASTM F963-17 (Sec. 4.7)	Cut Length; Regulatory Limit for Test Method: ½ inch (13 mm)	



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Mechanical ^F	Clothing Textiles	Flammability	16 CFR 1610	Burn Rate; Regulatory Limit for Plain Surface Fabrics: 3.5 sec
	Children's Toys		ASTM F963-17 16 CFR 1610	
	Stuffing Materials	Microscopic Evaluation	ASTM F963-17 (Sec 4.3.7)	Visual/Microscopical Examination
	Folding Mechanisms & Hinges	Hinge Clearance Force	ASTM F963-17 (Sec 4.13)	Go/No Go
	Confined Spaces	Ventilation Hole Measure Vent	ASTM F963-17 (Sec 4.16)	Length, Area; in/mm and in ² /mm ²
	Stuffing & Beanbag – Type Toys	Seam Strength	ASTM F963-17 (Sec. 4.7 & 8.9.1)	Applied Force Range: 10 lbf to 15 lbf (44.5 N to 66.8 N)

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer ^F would mean that the laboratory performs this testing at its fixed location.

