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STREET

CITY, STATE ZIP, COUNTRY

Testing Laboratory TL-1462

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date July 2, 2026



International Accreditation Service
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Accredited to ISO/IEC 17025:2017

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Toy Safety	Electrically operated toys and electrically operated articles intended for use by children	Labeling; Electrical design and construction; Protection against electric shock; Maximum acceptable surface temperatures; Maximum acceptable material temperatures	16 CFR Part 1505 – Requirements for Electrically Operated Toys or Other Electrically Operated Articles Intended for Use by Children (Clauses 3, 5, 6, 7 & 8)
	Electric toys	Electrical safety	IEC 62115:2017 +AMD1:2025 Electric toys – Safety
	Laser products	Accessible emission level; Product classification	IEC 60825-1:2014 Safety of laser products - Part 1: Equipment classification and requirements, EN 60825-1:2014+A11:2021 Safety of laser products - Part 1: Equipment classification and requirements, CAN/CSA-E60825-1:15 Safety of laser products - Part 1: Equipment classification and requirements
	Products incorporating button batteries or coin cell batteries	Battery accessibility; Battery compartment security; Required markings and instructions	ANSI/UL 4200A-2023 Standard for Safety of Products Incorporating Button Batteries or Coin Cell Batteries,
	Consumer products containing button/coin batteries	Battery accessibility and safety	16 CFR Part 1263 Reese's Law: A new era in battery safety
	Products containing button/coin batteries	Battery retention; Battery compartment security	Consumer Goods (Products Containing Button/Coin Batteries) Safety Standard 2020 (Australia)

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Toy Safety (cont'd.)	Button/Coin Batteries	Child-resistant packaging	Consumer Goods (Button/Coin Batteries) Safety Standard 2020 (Australia)
		Safety warnings; Symbols; Packaging information	Consumer Goods (Button/Coin Batteries) Information Standard 2020 (Australia)
	Laser products.	FDA performance requirements	21 CFR Part 1040.10 FDA Performance Standards for Light-Emitting Products for Laser products. (Refer to the test report of IEC 60825, and register for FDA certification)
	Medical laser products	FDA performance requirements	21 CFR Part 1040.11 FDA Performance Standards for Light-Emitting Products for Specific purpose laser products. (Refer to the test report of IEC 60825, and register for FDA certification)
	Toy Paint, Similar Surface-coating Materials and Substrate Materials	Migration of certain heavy elements	ASTM F963-23 Standard Consumer Safety Specification for Toy Safety, Section 4.3.5.1(2) & 4.3.5.2 & 8.3.2 - 8.3.6
	Metal	Cadmium (Cd) Extractability	ASTM F963-23 Standard Consumer Safety Specification for Toy Safety, Section 4.3.5.2(d) & 8.3.5.5(3)
	Children's metal jewelry	Cadmium (Cd) Extractability	CPSC-CH-E1004-11 Standard Operating Procedure for Determining Cadmium (Cd) Extractability from Children's Metal Jewelry
	Toy Paint, Similar Surface-coating Materials and Substrate Materials	Total Lead (Pb) Content	ASTM F963-23 Standard Consumer Safety Specification for Toy Safety, Section 4.3.5.1 & 4.3.5.2 & 8.3
	Children's metal products (including children's metal jewelry)	Total Lead (Pb)	CPSC-CH-E1001-08.3 Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry)



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Toy Safety (cont'd.)	Non-metal children's products	Total Lead (Pb)	CPSC-CH-E1002-08.3 Standard Operating Procedure for Determining Total Lead (Pb) in Nonmetal Children's Products
	Paint and Other Similar Surface Coatings	Lead (Pb)	CPSC-CH-E1003-09.1 Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings
	Paint	Lead (Pb)	16 CFR Part 1303 US CFR –Ban of Lead-Containing Paint and Certain Consumer Products Bearing Lead-Containing Paint
	Surface Coating Materials	Total Lead (Pb)	C02.2.2:2024 Determination of Total Lead in Surface Coating Materials in Consumer Products by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES)
	Any accessible plasticized component	Phthalates	16 CFR Part 1307 CPSC: Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates
		Phthalates	ASTM F963-23 Standard consumer safety specification for toy safety; Section 4.3.8
	Polymers , Paint	Phthalates	CPSC-CH-C1001-09.4 Standard Operating Procedure for Determination of Phthalates
	Polyvinyl chloride (PVC) consumer products	Phthalates	C34.3:2025 Determination of Phthalates in Polyvinyl Chloride Consumer Products by GC/EI-MS
	Polymers	Phthalates	IEC 62321-8:2017 Determination of certain substances in electrotechnical products – Part 8: Phthalates in polymers by gas chromatography-mass



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Toy Safety (cont'd.)	Polymers (cont'd.)	Phthalates (cont'd.)	spectrometry (GC-MS), gas chromatography-mass spectrometry using a pyrolyzer/thermal desorption accessory (Py/TD-GC-MS)
	Toy materials	Migration of certain heavy elements, Extraction Cadmium, Total Lead (Pb), Phthalates	16 CFR Part 1250 Standard Consumer Safety Specifications for Toy Safety
		Chlorinated phosphorus flame retardants (TCEP, TCPP, TDCP)	EN 71-16:2025 Safety of toys - Part 16: Certain chlorinated phosphorus flame retardants (TCEP, TCPP, TDCP) in toy materials
	All materials	Disassembly, disjointment and mechanical sample preparation	IEC 62321-2:2021 Determination of certain substances in electrotechnical products—Part 2: Disassembly, disjointment and mechanical sample preparation
		Screening – Lead (Pb), mercury (Hg), cadmium (Cd), total chromium (Cr) and total bromine (Br)	IEC 62321-3-1:2013 Determination of certain substances in electrotechnical products –Part 3-1: Screening – Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry
	Polymers, metals and electronics	Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 Determination of certain substances in electrotechnical products—Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS
		Cadmium (Cd), lead (Pb) and chromium (Cr)	IEC 62321-5:2013 Determination of certain substances in electrotechnical products –Part 5 : Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS

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Toy Safety (cont'd.)	Polymers	Polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs)	IEC 62321-6:2015 Determination of certain substances in electrotechnical products –Part 6 : Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography–mass spectrometry (GC-MS)
	Colourless and coloured corrosion-protected coatings on metals	Hexavalent chromium (Cr(VI))	IEC 62321-7-1:2015 Determination of certain substances in electrotechnical products–Part 7-1 : Hexavalent chromium – Presence of hexavalent chromium (Cr(VI)) in colourless and coloured corrosion-protected coatings on metals by the colorimetric method
	Polymers and electronics	Hexavalent chromium (Cr(VI))	IEC 62321-7-2:2017 Determination of certain substances in electrotechnical products–Part 7-2 : Hexavalent chromium – Determination of hexavalent chromium (Cr(VI)) in polymers and electronics by the colorimetric method
	Batteries and waste batteries	Total Heavy metal content for Lead (Pb), Cadmium (Cd), Mercury (Hg)	Regulation (EU) 2023/1542 of the European Parliament and of the Council concerning batteries and waste batteries
	All toy materials	Migration of certain elements	EN 71-3:2019+A2:2024 Safety of toys part 3: Migration of certain elements
		Migration of certain elements	ISO8124.3:2020 ISO8124.3:2020 /Amd 1:2023 Safety of toys—Part 3: Migration of certain elements
		Migration of certain elements	AS/NZS ISO8124.3:2021 AS/NZS ISO8124.3:2021/Amd 1:2023 Safety of toys—Part 3: Migration of certain elements

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Toy Safety (cont'd.)	Surface Coating Materials	Migratable Arsenic (As), Barium (Ba), Cadmium (Cd), Antimony (Sb) and Selenium (Se)	C08.1:2022 Determination of Migratable Arsenic (As), Barium (Ba), Cadmium (Cd), Antimony (Sb) and Selenium (Se) in Applied Surface Coating Materials by ICP-OES
	Plastic consumer products	Total Lead (Pb) and Total Cadmium (Cd)	C02.3.1:2021 Determination of Total Lead and Cadmium in Plastic Consumer Products by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES)
	Metallic consumer products	Total Lead (Pb) and Total Cadmium (Cd)	C02.4.1:2019 Determination of Total Lead and Cadmium in Metallic Consumer Products by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES)
	Foam toy material	Formamide	EN 71-15:2025 Safety of toys Part 15: Formamide in foam toy material (content)
Physical	Dolls, plush toys and soft toys	Security of eyes and noses	Health Canada Product Safety Laboratory - Reference Manual Book 5: Laboratory Policies and Procedures Part B Section M-00.4
	Toys	Mechanical and physical safety properties	ASTM F963-23 (Section 4.1, 4.2, 4.3.7, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11, 4.12, 4.13, 4.14, 4.16, 4.17, 4.18, 4.19, 4.21, 4.22, 4.23, 4.23.1, 4.24, 4.25, 4.26, 4.27, 4.28, 4.29, 4.30, 4.31, 4.32, 4.33, 4.34, 4.35, 4.36, 4.39, 4.40, 5, 6, 7, 8.5, 8.6, 8.7, 8.8, 8.9, 8.10, 8.11, 8.12, 8.14, 8.16, 8.17, 8.20, 8.22, 8.23, 8.26, 8.29, 8.30, Annex A5, Annex A6) Standard Consumer Safety Specification for Toy Safety



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Physical (cont'd.)	Toys (cont'd.)	Mechanical and physical safety properties (cont'd.)	ISO 8124-1:2022 + Amd.1:2025 (Clause 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11, 4.12, 4.13, 4.14, 4.16, 4.17, 4.18, 4.19, 4.20, 4.24, 4.25, 4.26, 4.27, 4.28, 4.29, 4.33, 4.34, 4.35, 4.36, 4.37, 4.38, 4.39, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8, 5.9, 5.10, 5.11, 5.13, 5.14, 5.15, 5.18, 5.19, 5.21, 5.24, 5.25, 5.35, 5.36, 5.37, 5.39, Annex B.2, Annex B.3, Annex B.4, Annex D) Safety of toys - Part 1: Safety aspects related to mechanical and physical properties
		Flammability	ISO 8124-2:2023 Safety of toys - Part 2: Flammability
		Mechanical and physical properties	EN 71-1:2014+A1:2018 (Clause 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11, 4.12, 4.14, 4.17, 4.18, 4.19, 4.20, 4.21, 4.22, 4.25, 4.26, 4.27, 5.1, 5.2, 5.3, 5.4, 5.5, 5.7, 5.8, 5.9, 5.10, 5.11, 5.12, 5.13, 5.14, 5.15, 6, 7, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7, 8.8, 8.9, 8.10, 8.11, 8.12, 8.13, 8.14, 8.15, 8.16, 8.20, 8.24, 8.25, 8.28, 8.30, 8.32, 8.33, 8.36, 8.38, 8.39, 8.40, 8.41, 8.42, 8.43, 8.44) Safety of toys-Part 1: Mechanical and physical properties EN 71-1:2026 (Clause 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11, 4.12, 4.14, 4.15, 4.16, 4.17, 4.18, 4.19, 4.20, 4.21, 4.22, 4.23, 4.25, 4.26, 4.27, 4.28, 5.1, 5.2, 5.3, 5.4, 5.5, 5.7, 5.8, 5.9, 5.10, 5.11, 5.12, 5.13, 5.14, 5.15, 6, 7, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7, 8.8,



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Physical (cont'd.)	Toys (cont'd.)	Mechanical and physical properties (cont'd.)	8.9, 8.10, 8.11, 8.12, 8.13, 8.14, 8.15, 8.16, 8.18, 8.20, 8.21, 8.22, 8.23, 8.24, 8.25, 8.26, 8.28, 8.29, 8.30, 8.31, 8.32, 8.34, 8.35, 8.36, 8.37, 8.38, 8.39, 8.40, 8.41, 8.42, 8.43) Safety of toys-Part 1: Mechanical and physical properties
		Safety requirements for toys, including mechanical, physical, flammability, labelling and product-specific requirements Safety requirements for toys, including mechanical, physical, flammability, labelling and product-specific requirements	SOR/2011-17(2025) (Section 3, 4, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, 41, 46, SCHEDULE 4, SCHEDULE 5, SCHEDULE 7) Canada Consumer Product Safety Act, Toys Regulations
		Small components	Health Canada Product Safety Laboratory - Reference Manual Book 5: Laboratory Policies and Procedures Part B Section M-00.1
		Sharp edges	Health Canada Product Safety Laboratory - Reference Manual Book 5: Laboratory Policies and Procedures Part B Section M-00.2
		Sharp points	Health Canada Product Safety Laboratory - Reference Manual Book 5: Laboratory Policies and Procedures Part B Section M-00.3
		Reasonable foreseeable use and abuse,	Health Canada Product Safety Laboratory - Reference Manual Book 5: Laboratory Policies and Procedures Part B Section M-01.1
		Sound level	Health Canada Product Safety Laboratory - Reference Manual Book 5: Laboratory Policies and Procedures Part B Section M-04



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Physical (cont'd.)	Toys (cont'd.)	Applicable toy-safety requirements incorporated by federal regulation	16 CFR PART 1250(Section 1250.1,1250.2,1250.4) Standard Consumer Safety Specifications for Toy Safety
	Flexible film bags	Film thickness and associated suffocation hazard	Health Canada Product Safety Laboratory - Reference Manual Book 5: Laboratory Policies and Procedures Part B Section M-03
	Rattles	Rattle geometry and safety	Health Canada Product Safety Laboratory - Reference Manual Book 5: Laboratory Policies and Procedures Part B Section M-05
	Toys and other articles intended for use by children	Required cautionary labelling for misbranded articles	16 CFR PART 1500.19 Misbranded Toys and Other Articles Intended for Use by Children
		Simulated use and abuse	16 CFR PART 1500.50 Test methods for simulating use and abuse of toys and other articles intended for use by children
	Toys and other articles intended for children under 8 years	Accessible sharp points	16 CFR PART 1500.48 Technical Requirements for Determining a Sharp Point in toys and other articles intended for use by children under 8 years of age
		Accessible sharp metal or glass edges	16 CFR PART 1500.49 Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age
	Toys and other articles intended for children 18 months or younger	Simulated use and abuse	16 CFR PART 1500.51 Test methods for simulating use and abuse of toys and other articles intended for use by children 18 months of age or less
	Toys and other articles intended for children over 18 months through 36 months	Simulated use and abuse	16 CFR PART 1500.52 Test methods for simulating use and abuse of toys and other articles intended for use



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Physical (cont'd.)			by children over 18 but not over 36 months of age
	Toys and other articles intended for children over 36 months through 96 months	Simulated use and abuse	16 CFR PART 1500.53 Test methods for simulating use and abuse of toys and other articles intended for use by children over 36 but not over 96 months of age
	Toys and other articles intended for children under 3 years	Small-parts choking, aspiration and ingestion hazards	16 CFR PART 1501 Method for identifying toys and other articles intended for use by children under 3 years of age which present choking, aspiration, or ingestion hazards because of small parts
	Rattles	Requirements for rattles	16 CFR PART 1510
	Toys	Tracking-label requirements	Consumer Product Safety Improvement Act of 2008, Section 103
Physical – Fire Resistance	Toys	Flammability	EN 71-2:2020 +A1: 2025 Safety of toys –Part 2: Flammability
	Flammable solids	Flammability	16 CFR PART 1500.44 Federal Hazardous Substances Act Regulations: Method for determining extremely flammable and flammable solids
	Clothing textiles	Flammability	16 CFR PART 1610 Federal Hazardous Substances Act Regulations: Standard for the flammability of clothing textiles
	Children's sleepwear (Sizes 0–6X)	Flammability	16 CFR PART 1615 Federal Hazardous Substances Act Regulations: Standard for the flammability of children's sleepwear: sizes 0 through 6X

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Physical – Fire Resistance (cont'd.)	Children's sleepwear (Sizes 7–14)	Flammability	16 CFR PART 1616 Federal Hazardous Substances Act Regulations: Standard for the flammability of children's sleepwear: sizes 7 through 14
	Flammability	Fabrics used in toys	ASTM F963-23 Annex A6 – Flammability Testing Procedure for Fabrics
	Toys	Flammability	ASTM F963-23 Annex A5 – Flammability Testing Procedure for Solids and Soft Toys
	Children's sleepwear		SOR/2016-169 CAN/CGSB-4.2 No.27.5: Children's Sleepwear Regulations
	Textile products		SOR/2016-194 – Textile Flammability Regulations

