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ACCREDITED TEST CATEGORY **認可測試類別**	:	Toys and Children's Products 玩具及兒童產品

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Toys and Children's Products 玩具及兒童產品

ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
	Chemical tests :-	
Toys – paint and similar surface-coating materials (not including children's jewelry)	- Total lead content	ASTM F963-23 Cl. 4.3.5.1 (1) Test procedures for compliance testing:- CPSC Test method: CPSC-CH-E1003-09.1 Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings, February 25, 2011
	- Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium	ASTM F963-23 Cl. 4.3.5.1 (2) Test procedures for compliance testing:- ASTM F963-23 Cl. 8.3.2 – 8.3.4
Toys – substrate materials (not including children's jewelry)	- Total lead content	ASTM F963-23 Cl. 4.3.5.2 (2) (a) Test Procedures for Compliance testing:- CPSC Test Method: CPSC-CH-E1001-08.3 Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry), November 15, 2012 <Excluding the following> XRF spectrometry CPSC Test Method: CPSC-CH-E1002-08.3 Standard Operating Procedure for Determining Total Lead (Pb) in Non-Metal Children's Products, November 15, 2012 <Excluding the following> XRF spectrometry
	- Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium	ASTM F963-23 Cl. 4.3.5.2 (2) (b) & (c) Test procedures for compliance testing:- ASTM F963-23 Cl. 8.3.5
Metallic toys or metallic toy components	- Extractable Cadmium	ASTM F963-23 Cl. 4.3.5.2 (2) (d) Test Procedures for Compliance testing:- ASTM F963-23 Cl. 8.3.5.5(3) and CPSC Test Method: CPSC-CH-E1004-11 Standard Operating Procedure for Determining Cadmium (Cd) Extractability from Children's Metal Jewelry, February 03, 2011

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Toys (including pacifiers, rattles, and teethers) for children 12 years of age and younger	Chemical tests :- (cont'd) - Dibutyl Phthalate (DBP) - Di-(2ethylhexyl) phthalate (DEHP) - Benzyl Butyl Phthalate (BBP) - Di-iso-nonyl phthalate (DINP) - Diisobutyl Phthalate (DIBP) - Di-n-pentyl phthalate (DPENP) - Di-n-hexyl phthalate (DHEXP) - Dicyclohexyl phthalate (DCHP)	ASTM F963-23 Cl. 4.3.8 *Test procedures for compliance testing:-* CPSC Test Method: CPSC-CH-C1001-09.4 Standard Operating Procedure for Determination of Phthalates, January 17, 2018

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	Chemical tests :- (cont'd)	
Toys and other articles intended for use by children – paint and other similar surface-coating materials	- Total lead content	US Public Law 110 -314 Consumer Product Safety Improvement Act 2008 *Test procedures for compliance testing:-* CPSC Test Method CSPC-CH-E1003-09.1 Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Coatings, February 25, 2011
Toys and other articles intended for use by children – paint and other similar surface-coating materials	- Total lead content	US 16 CFR Part 1303 *Test procedures for compliance testing:-* CPSC Test Method CSPC-CH-E1003-09.1 Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Coatings, February 25, 2011
Children's metal products	- Total lead content	US Public Law 110 -314 Consumer Product Safety Improvement Act 2008 *Test procedures for compliance testing:-* CPSC Test Method: CPSC-CH-E1001-08.3 Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry), Revision November 15, 2012 ***<Excluding the following>*** XRF spectrometry
Children's non-metal products	- Total lead content	US Public Law 110 -314 Consumer Product Safety Improvement Act 2008 *Test procedures for compliance testing:-* CPSC Test Method: CPSC-CH-E1002-08.3 Standard Operating Procedure for Determining Total Lead (Pb) in Non-Metal Children's Products, Revision November 15, 2012 ***<Excluding the following>*** XRF spectrometry
Children's metal jewelry	- Extractable Cadmium	CPSC Test Method: CPSC-CH-E1004-11 Standard Operating Procedure for Determining Cadmium (Cd) Extractability from Children's Metal Jewelry, February 03, 2011

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	Chemical tests (cont'd):-	
Toys and childcare articles	- Dibutyl Phthalate (DBP) - Di-(2ethylhexyl) phthalate (DEHP) - Benzyl Butyl Phthalate (BBP) - Diisononyl phthalate (DINP) - Diisobutyl phthalate (DIBP) - Di-n-pentyl phthalate (DPENP - Di-n-hexyl phthalate (DHEXP) - Dicyclohexly phthalate (DCHP)	US 16 CFR Part 1307 *Test procedure for compliance testing:-* CPSC Test Method: CPSC-CH-C1001-09.4 Standard Operating Procedure for Determination of Phthalates, January 17, 2018
Toys	- Migration of the elements Antimony, Arsenic, Barium, Boron, Cadmium, Chromium, Lead, Mercury, Selenium	ISO 8124-3: 2020/Amd.1: 2023 (for dewaxing: Method A) AS/NZS ISO 8124.3: 2021 Amd 1: 2023 (for dewaxing: Method A)

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	Chemical tests (cont'd):-	Directive 2009/48/EC Annex II, Part III, Point 13 and its amendment Commission Directive (EU) 2018/725 and Commission Directive (EU) 2019/1922
Toys	- Migration of the elements	*Test procedures for compliance testing:-* EN 71-3: 2019 + A1: 2021
Category I toy materials: Dry, brittle, powder like or pliable materials	Aluminium, Antimony, Arsenic, Barium, Boron, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Strontium, Tin and Zinc	Annex E (ICP-MS)
	Chromium (VI) Chromium (III) (by calculation)	Annex F (LC-ICP-MS) Alternative method documented in SGS-CCL-SOP-055-01 (IC-UV/VIS)
	Organic Tin: Dimethyl tin, Methyl tin, Dipropyl tin, Dibutyl tin, Tributyl tin, Monooctyl tin, Dioctyl tin, Tetrabutyl tin, Diphenyl tin, Triphenyl tin, Butyl tin	Annex G (GC-MS)
Category III toy materials: Scraped-off materials	Aluminium, Antimony, Arsenic, Barium, Boron, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Strontium, Tin and Zinc	Annex E (ICP-MS) Alternative method documented in SGS-CCL-SOP-055-01 (ICP-OES)
	Chromium (VI) Chromium (III) (by calculation)	Annex F (LC-ICP-MS) Alternative method documented in SGS-CCL-SOP-055-01 (IC-UV/VIS)
	Organic Tin: Dimethyl tin, Methyl tin, Dipropyl tin, Dibutyl tin, Tributyl tin, Monooctyl tin, Dioctyl tin, Tetrabutyl tin, Diphenyl tin, Triphenyl tin, Butyl tin	Annex G (GC-MS)

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	Chemical tests (cont'd):-	
Toys	- Migration of the elements	EN 71-3: 2019 + A2: 2024
Category I toy materials: Dry, brittle, powder like or pliable materials	Aluminium, Antimony, Arsenic, Barium, Boron, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Strontium, Tin and Zinc	Annex E (ICP-MS)
	Chromium (VI)	Annex F (LC-ICP-MS) Alternative method documented in SGS-CCL-SOP-055-04 (IC-UV/VIS)
	Chromium (III) (by calculation)	
	Organic Tin: Dimethyl tin, Methyl tin, Dipropyl tin, Dibutyl tin, Tributyl tin, Monooctyl tin, Dioctyl tin, Tetrabutyl tin, Diphenyl tin, Triphenyl tin, Butyl tin	Annex G (GC-MS)
Category III toy materials: Scraped-off materials	Aluminium, Antimony, Arsenic, Barium, Boron, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Strontium, Tin and Zinc	Annex E (ICP-MS) Alternative method documented in SGS-CCL-SOP-055-04 (ICP-OES)
	Chromium (VI)	Annex F (LC-ICP-MS) Alternative method documented in SGS-CCL-SOP-055-04 (IC-UV/VIS)
	Chromium (III) (by calculation)	
	Organic Tin: Dimethyl tin, Methyl tin, Dipropyl tin, Dibutyl tin, Tributyl tin, Monooctyl tin, Dioctyl tin, Tetrabutyl tin, Diphenyl tin, Triphenyl tin, Butyl tin	Annex G (GC-MS)

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	Electrical tests :- 電性能測試	
Electric toys	- Compliance inspection and safety tests	EN IEC 62115: 2020 +A11:2020 BS EN IEC 62115: 2020 +A11:2020 **< *Excluding the following* >** for the above two standards Cl. 9.1 (test to Annex D), 11 (IP tests to IEC 60529), 18 (burning test to IEC 60695-11-10 and ISO 9772, glow-wire ignition temperature test to IEC 60695-2-13) 19.3, 19.E.2 (accessible emission with wavelengths between 1650 nm and 3000 nm) and 19.E.4 IEC 62115: 2017 + COR1: 2019 AS/NZS 62115:2018 + A1: 2021 **< *Excluding the following* >** for the above two standards Cl. 9.1 (test to Annex D), 11 (IP tests to IEC 60529), 18 (burning test to IEC 60695-11-10 and ISO 9772, glow-wire ignition temperature test to IEC 60695-2-13) 19.3, 19.E.2 (accessible emission with wavelengths between 1650 nm and 3000 nm) and 19.E.4
Electric toys 電玩具	- Compliance inspection and safety tests - 安全測試	GB 6675.1: 2014 Cl.5.4, and GB 19865-2005 + Amendment 1 **<*Excluding the following* >** Cl. 11.1 (IP tests to GB 4208), 19 (burning test to GB/T 5169.16 and ISO 9772, glow-wire ignition temperature test to GB/T 5169.13) 20 (radiation tests for laser and LED with wavelength $\lambda < 400$ nm or $\lambda > 1000$ nm) GB 6675.1: 2014 Cl.5.4, and GB 19865-2005 + 第 1 號修改單 **<*不包含*>** Cl. 11.1 (按 GB 4208 的防護測試), 19 (按 GB/T 5169.16 和 ISO 9772 進行的耐燃試驗, GB/T 5169.13 進行的灼熱絲起燃性試驗) 20 (激光器和發出電磁輻射波長少於 400 nm 或大於 1000 nm 的發光二極管的輻射測試)

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	Electrical tests :- (cont'd)	
Battery operated toys	- Battery operated toys safety tests	ASTM F963-23 Section 4.25 < ***Excluding the following*** > Section 4.25.9

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Toys	Flammability tests	ASTM F963-23 Section 4.2 16 CFR Part 1500.44 16 CFR Part 1610 (Including amendments 88 FR 73230, 88 FR 73231 and 88 FR 73233) EN 71-2: 2020 BS EN 71-2: 2020 EN 71-2: 2020 + A1: 2025 BS EN 71-2: 2020 + A1: 2025 ***<Excluding the following>*** for the above four standards Tests for flammable gases, extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels AS/NZS ISO 8124.2: 2023 ***<Excluding the following>*** Tests for flammable gases, extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels ISO 8124-2: 2023 ***<Excluding the following>*** Tests for flammable gases, extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels

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	Physical and mechanical tests :-	
Toys	- Safety requirements and test methods	AS/NZS ISO 8124.1: 2023 ***<Excluding the following >*** Cl. 4.8.2 and 4.23 (speed greater than 8 km/h)
Toys	- Safety requirements and test methods	ISO 8124-1: 2022 ***<Excluding the following>*** Cl. 4.8.2 and 4.23 (speed greater than 8 km/h)
Toys	- Safety requirements and test methods	EN 71-1: 2014 + A1: 2018 BS EN 71-1: 2014 + A1: 2018 ***<Excluding the following>*** for the above two standards Cl. 4.18 (test to EN 15649-3) and 4.20.2.5

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	Physical and mechanical tests:- (cont'd)	
Toys	- Safety requirements :-	ASTM F963-23 Section 4.1, 4.3.7, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11, 4.12, 4.13, 4.14, 4.15, 4.16, 4.17, 4.18, 4.19, 4.20, 4.20.2, 4.21, 4.22, 4.23, 4.23.1, 4.23.2, 4.24, 4.26, 4.27, 4.28, 4.30, 4.31, 4.32, 4.33, 4.34, 4.35, 4.36, 4.38, 4.39, 4.40 and 4.41 ***<Excluding the following>*** Section 4.1 (reprocessed materials test to 4.3.1), 4.8.1 4.20.1
	- Labeling requirements	Section 5
	- Instructional literature	Section 6
	- Producer's markings	Section 7
	- Test methods	Section 8
Toys	- Safety requirements and test methods	16 CFR Part 1250 in conjunction with ASTM F963-23
Toys and other articles intended for use by children	- Safety test	Federal Hazardous Substances Act Regulations 16 CFR 1500.48 16 CFR 1500.49 16 CFR 1500.50 16 CFR 1500.51 16 CFR 1500.52 16 CFR 1500.53 16 CFR 1501 16 CFR 1510 16 CFR 1511
Marbles, small balls, balloons and other small parts intended for use by children above 3 years of age	- Determination of misbranded toys	16 CFR 1500.19
Children's products containing button batteries or coin cell batteries	- Safety requirements and test methods	16 CFR Part 1263 in conjunction with ANSI/UL 4200A-2023 ANSI/UL 4200A-2023