Bureau Veritas Hong Kong Limited - Kowloon Bay Office
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ACCREDITED TEST CATEGORY **認可測試類別**	:	Testing Required by the China Compulsory Certification System (CCC) 中國強制性產品認證制度規定的檢測 Chemical Testing 化學測試 Electrical and Electronic Products 電氣及電子產品 Environmental Testing 環境測試 Food 食品 Miscellaneous 雜類 Pharmaceutical Products 藥物 Textiles and Garments 紡織品及成衣 Toys and Children's Products 玩具及兒童產品

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Testing Required by the China Compulsory Certification System (CCC) 中國強制性產品認證制度規定的檢測

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	
Toy and children's product 兒童用品			
- Toy *(2202)* - 玩具*(2202)*			
- Electric toy	All required tests as specified in	GB 6675.1-2014	.vs.
<Excluding the following>	CNCA-C22-02: 2020	GB 6675.2-2014 + Amendment 1	.vs.
- toy containing gas or liquid		GB 6675.3-2014	.vs.
- imitation weapon toy		GB 6675.4-2014	.vs.
- chemical toy		GB 19865-2005 + Amendment 1	.vs.
- cosmetic toy			
- toy with direct food contact			
- percussion cap			
- toy to be cleaned with liquid			
- 電玩具	CNCA-C22-02: 2020	GB 6675.1-2014	.vs.
<不包括>	有關規定的所有檢測	GB 6675.2-2014 +第 1 號修改單	.vs.
- 含氣體或液體玩具		GB 6675.3-2014	.vs.
- 仿真武器玩具		GB 6675.4-2014	.vs.
- 化學遊戲玩具		GB 19865-2005 +第 1 號修改單	.vs.
- 玩具化妝品			
- 與食品直接接觸的玩具			
- 玩具火藥帽			
- 可能用液體清潔的玩具			

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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	
Toys and children's products (cont'd) 兒童用品(續上)			
- Toy *(2202)* (cont'd) - 玩具*(2202)* (續上)			
- Plastic toy	All required tests as specified in	GB 6675.1-2014	.vs.
<Excluding the following>	CNCA-C22-02: 2020	GB 6675.2-2014 + Amendment 1	.vs.
- toy containing gas or liquid		GB 6675.3-2014	.vs.
- imitation weapon toy		GB 6675.4-2014	.vs.
- chemical toy			
- cosmetic toy			
- toy with direct food contact			
- percussion cap			
- 塑膠玩具	CNCA-C22-02: 2020	GB 6675.1-2014	.vs.
<不包括>	有關規定的所有檢測	GB 6675.2-2014 +第 1 號修改單	.vs.
- 含氣體或液體玩具		GB 6675.3-2014	.vs.
- 仿真武器玩具		GB 6675.4-2014	.vs.
- 化學遊戲玩具			
- 玩具化妝品			
- 與食品直接接觸的玩具			
- 玩具火藥帽			
- Metal toy	All required tests as specified in	GB 6675.1-2014	.vs.
<Excluding the following>	CNCA-C22-02: 2020	GB 6675.2-2014 + Amendment 1	.vs.
- toy containing gas or liquid		GB 6675.3-2014	.vs.
- imitation weapon toy		GB 6675.4-2014	.vs.
- chemical toy			
- cosmetic toy			
- toy with direct food contact			
- percussion cap			
- 金屬玩具	CNCA-C22-02: 2020	GB 6675.1-2014	.vs.
<不包括>	有關規定的所有檢測	GB 6675.2-2014 +第 1 號修改單	.vs.
- 含氣體或液體玩具		GB 6675.3-2014	.vs.
- 仿真武器玩具		GB 6675.4-2014	.vs.
- 化學遊戲玩具			
- 玩具化妝品			
- 與食品直接接觸的玩具			
- 玩具火藥帽			

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Chemical Testing 化學測試

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
Products (intended to come into direct contact with skin)	Nickel release	Regulation (EC) No 1907/2006 on REACH Annex XVII Item No 27 as amended by Commission Regulation (EC) No 552/2009 *Test methods for compliance testing for Nickel content:-* EN 1811: 2023 BS EN 1811: 2023
Coated articles that come into direct and prolonged contact with the skin (excluding articles with an outer coating containing nickel and those which are inserted into pierced ears and other parts of the human body)	Nickel release	Regulation (EC) No. 1907/2006 on REACH Annex XVII Item No 27 as amended by Commission Regulation (EC) No. 552/2009 *Compliance test procedures for nickel release content:-* BS EN 12472: 2020 & BS EN 1811:2023 EN 12472: 2020 & EN 1811:2023
		Netherlands Law Gazette 1999 No. 149 (Chemical Substances Act) Regulation (EC) No 1907/2006 on REACH Annex XVII Item No 23 as amended by Commission Regulation (EC) No 835/2012 and Commission Regulation (EU) No 2016/217 United Kingdom Environmental Protection (Controls on Injurious Substances) (No.2) Regulations 1993 No. 1643 for cadmium content Swedish Ordinance SFS 1998: 944 German Chemicals Prohibition Ordinance paragraph 18: Cadmium Switzerland Ordinance relating to Environmentally Hazardous Substances (Ordinance on Substances) of 9 June 1986 (updated Jan 1996) with Amd. of 11 Nov 1998, Annex 4.11 & 4.12
Surface coating, fabric, leather, metal, paint, paper, wood and coloured materials	Cadmium content	*Test method for compliance testing for Cadmium content in other materials except plastics:-* In House Method SOP# CH-355C (ICP-AES)
Plastics	Cadmium content	*Test methods for compliance testing for Cadmium content in plastics:-* BS EN 1122: 2001 method B (wet decomposition) EN 1122: 2001 method B (wet decomposition)

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Chemical Testing 化學測試

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
Products made from leather and textile products	- Amine (Azo colourants) : 4-aminodiphenyl Benzidine 4-chloro-o-toluidine 2-naphthylamine o-aminoazotoluene 5-nitro-o-toluidine 4-chloroanilane 4-methoxy-m-phenylenediamine 4,4'-diaminodiphenylmethane 3,3'-dichlorobenzidine 3,3'-dimethoxybenzidine 3,3'-dimethylbenzidine 4,4'-methylenedi-o- toluidine p-cresidine 4,4'-methylene-bis-(2-chloroaniline) 4,4'-oxydianiline 4,4'-thiodianiline o-toluidine 4-methyl-m-phenylenediamine 2,4,5-trimethylaniline 2-methoxyaniline 4-aminoazobenzene	Regulation (EC) No. 1907/2006 on REACH Annex XVII Item No 43 as amended by Commission Regulation (EC) No. 552/2009 and Commission Regulation (EU) No. 2020/2096 *Test methods for compliance testing for leather products:* EN ISO 17234-1: 2015 *Test method for compliance testing for textile products* EN ISO 14362-1: 2017 *Test methods for compliance testing for leather products:* EN ISO 17234-2: 2011 *Test methods for compliance testing for textile products:* EN ISO 14362-3: 2017 Techniques used are GC-MSD and HPLC-DAD for all test methods listed above.

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Chemical Testing 化學測試

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
Products made from leather and textile products	- Amine (Azo colourants) : 4-aminodiphenyl Benzidine 4-chloro-o-toluidine 2-naphthylamine o-aminoazotoluene 5-nitro-o-toluidine 4-chloroanilane 4-methoxy-m-phenylenediamine 4,4'-diaminodiphenylmethane 3,3'-dichlorobenzidine 3,3'-dimethoxybenzidine 3,3'-dimethylbenzidine 4,4'-methylenedi-o- toluidine p-cresidine 4,4'-methylene-bis-(2-chloroaniline) 4,4'-oxydianiline 4,4'-thiodianiline o-toluidine 4-methyl-m-phenylenediamine 2,4,5-trimethylaniline 2-methoxyaniline 4-aminoazobenzene	*Test methods for leather products:* EN ISO 17234-1: 2015 BS EN ISO 17234-1: 2015 ISO 17234-1: 2015 *Test method for textile products* ISO 14362-1: 2017 EN ISO 14362-1: 2017 BS EN ISO 14362-1: 2017 *Test methods for leather products:* ISO 17234-2: 2011 EN ISO 17234-2: 2011 BS EN ISO 17234-2: 2011 *Test methods for textile products:* ISO 14362-3: 2017 EN ISO 14362-3: 2017 BS EN ISO 14362-3: 2017 Techniques used are GC-MSD and HPLC-DAD for all test methods listed above.

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Electrical and Electronic Products 電氣及電子產品		
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
	Safety tests :-	
Consumer product containing button cell or coin batteries	- Compliance inspection and safety tests	16 CFR Part 1263 in conjunction with ANSI/UL 4200A-2023 ANSI/UL 4200A-2023

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Environmental Testing 環境測試		
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
Water and Wastewater	Microbial indicator :-	
	- Total coliform count	APHA 24e 9222B (Membrane Filtration Method) DoE(1983) The Bacteriological Examination of Drinking Water Supplies, 1982 (Membrane Filtration Procedure: Sections 7.8, 7.9.4.1 and 7.9.4.2; Bacterial Confirmation: Section 7.9.4.3) The Microbiology of Drinking Water (2009) - Part 4A Method for the Examination of Water and Associated Materials, Environmental Agency, UK, **< *Excluding the following* >** Application of agar medium
	- Fecal coliform count	APHA 24e 9222D (Membrane Filtration Method)
	- E. coli count	APHA 24e 9222D & H (Membrane Filtration Method) APHA 24e 9222D & I (Membrane Filtration Method) DoE (1983) The Bacteriological Examination of Drinking Water Supplies 1982, Sections 7.8 & 7.9, (Membrane Filtration Procedure: Section 7.8, 7.9.4.1, and 7.9.4.2; Bacterial Confirmation: in-situ urease test: by Appl. Environ. Microbiol. (1975), Vol. 29(6), 826-833) The Microbiology of Drinking Water (2009) - Part 4A Method for the Examination of Water and Associated Materials, Environmental Agency, UK, **< *Excluding the following* >** Application of agar medium
	- Heterotrophic plate count (35ºC colony count) (28ºC colony count)	APHA 24e 9215A&B (Pour Plate Method)
	- *Vibrio cholerae*	APHA 24e 9278B
Water and wastewater, marine water	- *Vibrio cholerae*	Centre for Disease Control and Prevention – Laboratory Methods for the Diagnosis of *Vibrio cholera*, Part V in conjunction with identification methods documented in SOP# M-067bT (by biochemical tests and serological test)

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Food 食品		
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
	Toxicological tests :-	
Food containers (ceramic ware)	- Leachable Cadmium and Lead	US FDA Compliance Policy Guides 7117.06 (2005)- 7117.07 (2005) *Test procedures for compliance:-* AOAC Official Method 973.32 (2005) AOAC Official Method 973.82 (2005) **< *Excluding the following* >** Clause F ASTM C738-94 (Reapproved 2020)
Food containers (lip & rim areas of glass tumblers externally decorated with ceramic glass enamels)	- Leachable Cadmium and Lead	ASTM C927-80 (Reapproved 2019)e1
Food containers (Glazed ceramic and glassware, excluding decorative products)	- Lead and cadmium	Canada Consumer Product Safety Act (S.C. 2010, c.21) Glazed Ceramics and Glassware Regulations SOR2016-175 *Test procedures for compliance testing:* Health Canada Product Safety Reference manual Book 5 – Laboratory Policies and Procedures Part B: Test Methods Section, Method C-10: Determination of Leachable Lead and Cadmium from Glazed Ceramics and Glassware by Flame Atomic Absorption Spectrometer (2017-10-20)

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Food 食品		
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
	Microbiological tests :-	
Potable Water	- Total coliform count	APHA 24e 9222B (Membrane Filtration Method)
	- Fecal coliform count	APHA 24e 9222B & G (Membrane Filtration Method)
	- *E. coli* count	APHA 24e 9222B & H (Membrane Filtration Method) APHA 24e 9222B & I (Membrane Filtration Method) DoE (1983) The Bacteriological Examination of Drinking Water Supplies 1982, Sections 7.8 & 7.9, (Membrane Filtration Procedure: Section 7.8, 7.9.4.1, and 7.9.4.2; Bacterial Confirmation: in-situ urease test: by Appl. Environ. Microbiol. (1975), Vol. 29(6), 826-833) The Microbiology of Drinking Water (2009) - Part 4A Method for the Examination of Water and Associated Materials, Environmental Agency, UK. **< *Excluding the following* >** Application of agar medium
	- Heterotrophic plate count (35ºC colony count) (28ºC colony count)	APHA 24e 9215A&B (Pour Plate Method)
General foodstuff	- Aerobic plate count	ISO 4833-1:2013+A1:2022 **<*Excluding the following*>** Annex A
	- *Vibrio cholerae*	US FDA Bacteriological Analytical Manual Online (BAM online), Ch.9, May 2004

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Miscellaneous 雜類		
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
Cosmetics, Liquids, Pastes, Putties, Gels and Powders	Microbiological tests :-	
	- Antimicrobial effectiveness testing	USP-NF 2024, Issue 3, Chapter < 51 >
	- Efficacy of antimicrobial preservation	British Pharmacopoeia (2023) App. XVI C European Pharmacopoeia 11th edition (2023), General texts 5.1.3
	Microbiological examination of non- sterile products:	
	- Microbial enumeration test	USP-NF 2024, Issue 3, Chapter < 61 > British Pharmacopoeia (2023) App. XVI B, Method 2 European Pharmacopoeia 11th edition (2023), Method 2.6.12
	- Test for specified microorganisms	USP-NF 2024, Issue 3, Chapter < 62 > British Pharmacopoeia (2023) App. XVI B, Method 1 European Pharmacopoeia 11th edition (2023), Method 2.6.13

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Miscellaneous 雜類

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
	Microbiological tests (cont'd) :-	
Cosmetics	Microbiological examination of non- sterile products:	The European Cosmetic Regulation 1223/2009/EC (Annex I, Part A: Item 3) and The SCCS Notes of Guidance for the Testing of Cosmetics Ingredients and Their Safety Evaluation, 12th Revision, 21 December 2023, SCCS/1647/22, Corrigendum 2 Appendix 9 Guidelines on Microbiological Quality of the Finished Cosmetic Product
		Test procedures for compliance testing:-
	- Microbial Enumeration Test	British Pharmacopoeia (2023) App. XVI B, Method 2 European Pharmacopoeia 11th edition (2023), Method 2.6.12
	- Test for specified microorganisms	British Pharmacopoeia (2023) App. XVI B, Method 1 European Pharmacopoeia 11th edition (2023), Method 2.6.13
	- Efficacy of antimicrobial preservation	British Pharmacopoeia (2023) App. XVI C European Pharmacopoeia 11th edition (2023), General texts 5.1.3
Water	- Total coliform count	DoE(1983) The Bacteriological Examination of Drinking Water Supplies, 1982 (Membrane Filtration Procedure: Sections 7.8, 7.9.4.1 and 7.9.4.2; Bacterial Confirmation: Section 7.9.4.3)

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Pharmaceutical Products 藥物		
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
Pharmaceutical articles	Microbiological tests :- Microbiological examination of non- sterile products: - Microbial Enumeration Test - Test for specified microorganisms	*Acceptance criteria:* The Japanese Pharmacopoeia, JP XVIII (2021) <G4-1-170> G4 Microorganisms, Microbial Attributes of Non-sterile Pharmaceutical Products *Test procedures for compliance testing:* The Japan Pharmacopoeia, JP XVIII (2021) General test 4.05 Microbiological Examination of non-sterile products
	- Microbial Enumeration Test	*Acceptance criteria:* USP-NF 2024, Issue 3, Chapter <1111> *Test procedures for compliance testing:* USPNF 2024, Issue 3, Chapter < 61 > *Acceptance criteria:* British Pharmacopoeia (2023) App. XVI D *Test procedures for compliance testing:* British Pharmacopoeia (2023) App. XVI B, Method 2 *Acceptance criteria:* European Pharmacopoeia 11th edition (2023), General texts 5.1.4 *Test procedures for compliance testing:* European Pharmacopoeia 11th edition (2023), Method 2.6.12
	- Test for specified microorganisms	*Acceptance criteria:* USP-NF 2024, Issue 3, Chapter <1111> *Test procedures for compliance testing:* USP-NF 2024, Issue 3, Chapter <62> *Acceptance criteria:* British Pharmacopoeia (2023) App. XVI D *Test procedures for compliance testing:* British Pharmacopoeia (2023) App. XVI B, Method 1 *Acceptance criteria:* European Pharmacopoeia 11th edition (2023), General texts 5.1.4 *Test procedures for compliance testing:* European Pharmacopoeia 11th edition (2023), Method 2.6.13

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Textiles and Garments 紡織品及成衣		
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
General Textiles and Garments :-		
	Care performance tests :-	
- General Textiles and Garments	- Dimensional stability to washing	AATCC TM135-2018t
	- Skewness after washing	AATCC TM179-2023
	- Wash and wear performance	AATCC TM124-2018te

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Textiles and Garments 紡織品及成衣

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
General Textiles and Garments :- (cont'd)	Colour fastness tests :- 色牢度 :-	
- General Textiles and Garments 一般紡織品及成衣	- Light	AATCC TM16.3-2020
	- Perspiration 耐汗漬色牢度	AATCC TM15-2021e ISO 105-E04: 2013 ***<Excluding the following>*** for the above two standards Instrument rating method GB/T 3922- 2013
	- Phenolic yellowing	ISO 105-X18: 2007 ***<Excluding the following>*** Instrument rating method
	- Rubbing/crocking	AATCC TM8-2016e(2022e)
	- Seawater	AATCC TM106-2009e(2013)e3 ISO 105-E02: 2013 ***<Excluding the following>*** for the above two standards Instrument rating method
	- Water 耐水色牢度	AATCC TM107-2022e ISO 105-E01: 2013 ***<Excluding the following>*** for the above two standards Instrument rating method GB/T 5713-2013

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Textiles and Garments 紡織品及成衣		
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
General Textiles and Garments :- (cont'd)	Construction tests:	
- General Textiles and Garments	- Threads per unit length, woven	ASTM D3775-17(2023)
	- Weft knit, stitch density	ASTM D3887-96 (2008) Section 12
	Fabric performance tests :-	
- General Textiles and Garments	- Soil release performance	AATCC TM130-2018t
	- Stretch and recovery	ASTM D4964-96 (2020)
	- Water repellency (spray rating)	AATCC TM22-2017e
	- Wrinkle Recovery (Appearance method)	AATCC TM128-2017e2

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Textiles and Garments 紡織品及成衣		
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
General Textiles and Garments :- (cont'd)	Fibre analysis :-	
- General Textiles and Garments	- Fibre content (Qualitative method)	AATCC TM20-2021 ***<Excluding the following>*** Cl. 9.4 (Refractive index), 9.6 (Density), 9.9 (Stain Tests), 9.10 (Melting Point) and 9.11 (Micro-FTIR)
	- Fibre content (Quantitative method – mechanical Separation, chemical analysis and microscopic analysis)	AATCC TM20A-2021e ***<Excluding the following>*** Methods 9.1.4 (enzyme treatment) and 13.3 (stain test)
	- Fibre content (quantitative method - mechanical separation and chemical analysis)	BS 4407: 1988 ***< Excluding the following >*** Methods 13, 17 and 18 Regulation (EU) no 1007/2011 ***< Excluding the following >*** Methods 12, 15 and Annex X

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Textiles and Garments 紡織品及成衣		
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
General Textiles and Garments :- (cont'd)	Fibre analysis :- (cont'd)	
- General Textiles and Garments	- Fibre content (quantitative method - mechanical separation and chemical analysis) (cont'd)	ISO 1833-1: 2020 (Note: The above Part 1 standard should be used in conjunction with other parts of ISO 1833 for particular fibre mixtures) ISO 1833-2: 2020 ISO 1833-3: 2020 ISO 1833-4: 2023 ISO 1833-5: 2006 ISO 1833-6: 2018 ISO 1833-7: 2017 ISO 1833-8: 2006 ISO 1833-9: 2019 ISO 1833-10: 2019 ISO 1833-11: 2017 ISO 1833-12: 2020 ISO 1833-13: 2019 ISO 1833-14: 2019 ISO 1833-16: 2019 ISO 1833-17: 2019 ISO 1833-18: 2020 ISO 1833-20: 2018

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Textiles and Garments 紡織品及成衣

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
General Textiles and Garments (cont'd)		
	Flammability tests :-	
- General Textiles and Garments	- 45 degree angle test	US 16 CFR Part 1610 CAN/CGSB-4.2 No. 27.5-2023
Specific Products :-		
- Wearing apparel	- Flammability of vinyl plastic film	US 16 CFR Part 1611
- Children's sleepwear	- Vertical test	US 16 CFR Parts 1615 and 1616
- Carpet and rugs	- Method for determining the surface flammability when exposed to a methenamine tablet	US 16 CFR Parts 1630 and 1631
	Strength tests :-	
- General Textiles and Garments	- Bursting strength (Diaphragm bursting method)	ASTM D3786/D3786M-18(2023)
	- Pile retention (Corduroy fabrics)	ASTM D4685/D4685M-15 (2020)
	- Tensile strength (Grab method)	BS EN ISO 13934-2: 2014
	- Tearing strength (Elmendorf)	ISO 13937-1: 2000 with Corr. 1 (2004)

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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 :-	
Ceramicware (ceramic toy components intended or likely to hold food)	- Lead and cadmium Contamination	ASTM F963-17 Cl. 4.3.3.2 & FDCA Section 402 (a) (2) (c) & applicable US FDA Compliance Policy Guides ASTM F963-23 Cl. 4.3.3.2 & FDCA Section 402 (a) (2) (c) & applicable US FDA Compliance Policy Guides *Test procedures for compliance testing of lead and cadmium contents:-* ASTM C738-94 (Reapproved 2020)
Child use and care articles – cutlery and feeding utensils	- Bis-(2-ethylhexyl) Phthalate (DEHP) - Dibutyl Phthalate (DBP) - Benzyl Butyl Phthalate (BBP) - Di-n-octyl Phthalate (DNOP) - Diisononyl Phthalate (DINP) - Diisodecyl Phthalate (DIDP)	EN14372: 2004 Cl. 5.4.2.3 and 6.3.2 ***<Excluding the following>*** Gravimetric method
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 US 16 CFR Part 1303 *Test procedures for compliance testing:-* CPSC Test Method: CPSC-CH-E1003-09.1 Standard Operating Procedure for Determining Lead (Pb) in Paint & other similar Surface Coatings, February 25, 2011
Toys – paint and similar surface-coating materials	- Total lead content	ASTM F963-17 Cl. 4.3.5.1 (1) 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
	- Total element content screening Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium	ASTM F963-17 Cl. 4.3.5.1 (2) and 8.3.1.3 ASTM F963-23 Cl. 4.3.5.1 (2) and 8.3.1.3 *Test procedures for compliance testing:-* In-house method: SOP# CH-572C (ICP-OES)

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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 (cont'd) :-	
Toys – paint and similar surface-coating Materials (cont'd)	- Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium	ASTM F963-17 Cl. 4.3.5.1 (2) *Test procedures for compliance testing:-* ASTM F963-17 Cl. 8.3.2 – 8.3.4
	- 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 F963-17 Cl. 4.3.5.2 (2)(a) 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
	- Total element content screening Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium	ASTM F963-17 Cl. 4.3.5.2 (2)(b) & (c) and 8.3.1.3 ASTM F963-23 Cl. 4.3.5.2 (2)(b) & (c) and 8.3.1.3 *Test procedures for compliance testing:-* In-house method: SOP# CH-572C (ICP-OES)
	- Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium	ASTM F963-17 Cl. 4.3.5.2 (2)(b) *Test procedures for compliance testing:-* ASTM F963-17 Cl. 8.3.5
	- 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

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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 (cont'd) :-	
Metallic toys or metallic toy components	- Extractable Cadmium	ASTM F963-17 Cl. 4.3.5.2 (2)(c) *Test procedures for compliance testing:-* ASTM F963-17 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 ***<Excluding the following >*** Cl. 8, 9 and 10
	- 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 ***<Excluding the following >*** Cl. 8, 9 and 10

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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 (cont'd) :-	
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), November 15, 2012 ***<Excluding the following >*** XRF spectrometry
Children's non-metal products	- Total lead content	*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, November 15, 2012 ***<Excluding the following >*** XRF spectrometry
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 (DPP/DPENP) - Di-n-hexyl phthalate (DnHP / DHEXP) - Dicyclohexyl phthalate (DCP/DCHP)	US Public Law 110 -314 Consumer Product Safety Improvement Act 2008 and US 16 CFR Part 1307 *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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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 (cont'd) :-	
Toys and components made of coating, PVC, PU, PVA, PVDC, ABS, PP and rubber 塗層, 含聚氯乙烯, 聚氨酯, 聚乙烯醇, 聚偏二氯乙烯, 丙烯腈-丁二烯-苯乙烯共聚物, 聚丙烯和橡膠的玩具材料和部件	Phthalates鄰苯二甲酸酯: - Diisobutyl phthalate (DIBP) 鄰苯二甲酸二異丁酯 - Dibutyl Phthalate (DBP) 鄰苯二甲酸二丁酯 - Benzyl Butyl Phthalate (BBP) 鄰苯二甲酸丁苄酯 - Bis-(2ethylhexyl) phthalate (DEHP) 鄰苯二甲酸二(2-乙基)己酯 - Di-n-octyl phthalate (DNOP) 鄰苯二甲酸二正辛酯 - Di-iso-nonyl phthalate (DINP) 鄰苯二甲酸二異壬酯 - Di-iso-decyl phthalate (DIDP) 鄰苯二甲酸二異癸酯	GB/T 22048-2022 方法A
Toys and components made of coating, PVC, PU, PVA, PVDC, ABS, PP and rubber 塗層, 含聚氯乙烯, 聚氨酯, 聚乙烯醇, 聚偏二氯乙烯, 丙烯腈-丁二烯-苯乙烯共聚物, 聚丙烯和橡膠的玩具材料和部件	Phthalates 鄰苯二甲酸酯: 鄰苯二甲酸二異丁酯 - Dibutyl Phthalate (DBP) 鄰苯二甲酸二丁酯 - Benzyl Butyl Phthalate (BBP) 鄰苯二甲酸丁苄酯 - Bis-(2ethylhexyl) phthalate (DEHP) 鄰苯二甲酸二(2-乙基)己酯 - Di-n-octyl phthalate (DNOP) 鄰苯二甲酸二正辛酯 - Di-iso-nonyl phthalate (DINP) 鄰苯二甲酸二異壬酯 - Di-iso-decyl phthalate (DIDP) 鄰苯二甲酸二異癸酯	GB 6675.1-2014 Cl. 5.3.7 *Test procedures for compliance testing:* GB/T 22048-2015 方法 A GB/T 22048-2022 方法 A

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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 (cont'd) :-	
Toys and children's products (Coating, PVC, PU, PVA, PVDC, ABS, PP and rubber)	- Dibutyl Phthalate (DBP) - Di-(2ethylhexyl) phthalate (DEHP) - Benzyl Butyl Phthalate (BBP) - Di-n-octyl phthalate (DnOP) - Diisononyl phthalate (DINP) - Diisodecyl phthalate (DIDP)	IS 9873 (Part 6): 2021 Method A IS 9873 (Part 9): 2017 *Test Procedures for Compliance testing:* IS 9873 (Part 6): 2021 Method A
Vinyl (PVC) in toys or childcare article	- Dibutyl Phthalate (DBP) - Di-(2ethylhexyl) phthalate (DEHP) - Benzyl Butyl Phthalate (BBP) - Di-n-octyl phthalate (DnOP) - Diisononyl phthalate (DINP) - Diisodecyl phthalate (DIDP)	
Toys and children's products	- Diisobutyl phthalate (DIBP) - Dibutyl Phthalate (DBP) - Di-(2ethylhexyl) phthalate (DEHP) - Benzyl Butyl Phthalate (BBP) - Di-n-octyl phthalate (DnOP) - Diisononyl phthalate (DINP) - Diisodecyl phthalate (DIDP)	ISO 8124-6: 2023 Method A
All toys 玩具	- Migration of the elements 特定元素的遷移 antimony, chromium, selenium, arsenic, cadmium, mercury, barium, lead 銻，鉻，硒，砷，鎘，汞，鋇，鉛	GB 6675.1-2014 Cl. 5.3.3 & 5.3.4 *Test procedures for compliance testing:* GB 6675.4-2014
All toys	- Migration of the elements antimony, chromium, selenium, arsenic, cadmium, mercury, barium, lead	IS 9873 (Part 3): 2017 IS 9873 (Part 3): 2020 (for dewaxing: Method A) BS 5665: Part 3: 1995
All toys	- Migration of the elements antimony, chromium, selenium, arsenic, cadmium, mercury, barium, lead, boron	AS/NZS ISO 8124-3: 2021 Amd1: 2023 (for dewaxing: Method A) ISO 8124-3: 2020/Amd1: 2023 (for dewaxing: Method A)

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	Chemical tests (cont'd) :-	
Toys	- Migration of certain elements:	BS EN 71-3:2019+A1:2021 EN 71-3:2019+A1:2021 BS EN 71-3:2019+A2:2024 EN 71-3:2019+A2:2024
Category I toy materials: Dry, brittle, powder like or pliable materials	Aluminium, Antimony, Arsenic, Barium, Boron, Cadmium, Cobalt, Copper, Chromium, Lead, Manganese, Mercury, Nickel, Selenium, Strontium, Tin and Zinc	Annex E (ICP-MS)
	Chromium (VI) and Chromium (III) (by calculation)	Annex F (IC-ICP-MS)
	Organic Tin: Methyl tin, Dimethyl tin, Butyltin, Dibutyl tin, Tributyl tin, Tetrabutyltin, n-Octy tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Triphenyl tin	Annex G (GC-MS)
Category III toy materials: Scraped-off materials	Aluminium, Antimony, Arsenic, Barium, Boron, Cadmium, Cobalt, Copper, Chromium, Lead, Manganese, Mercury, Nickel, Selenium, Strontium, Tin and Zinc	Annex E (ICP-MS)
	Chromium (for screening for Cr(VI))	Alternative method as documented in SOP# CH-633C (ICP-MS)
	Chromium (VI) and Chromium (III) (by calculation)	Annex F (IC-ICP-MS)
	Organic Tin: Methyl tin, Dimethyl tin, Butyltin, Dibutyl tin, Tributyl tin, Tetrabutyltin, n-Octy tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Triphenyl tin	Annex G (GC-MS)

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	Chemical tests (cont'd) :-	
All toys and children's products – surface coating material		Canada Consumer Product Safety Act (S.C. 2010, c.21), Surface Coating Materials Regulations SOR/2016-193, as amended by Regulations Amending Certain Regulations Made Under the Canada Consumer Product Safety Act (Surface Coating Materials) SOR/2022-122, Sections 2 and Section 5
	- Total lead content	*Test procedures for compliance testing:* Health Canada Product Safety Laboratory, Reference Manual Book 5 – Laboratory Policies and Procedures, Part B: Test Method Section, Method C-02.2.2: Determination of Total Lead in Surface Coating Materials in Consumer Products by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) (2020-01-23)
	- Total mercury content	*Test procedures for compliance testing:* In-house method: SOP# CH-543C (ICP-MS)
		Canada Consumer Product Safety Act (S.C. 2010, c.21), Consumer Products Containing Lead Regulations SOR/2018-83, Section 2
All toys and children's products – surface coating material	- Total lead content	*Test procedures for compliance testing:* Health Canada Product Safety Laboratory, Reference Manual Book 5 – Laboratory Policies and Procedures, Part B: Test Method Section, Method C-02.2.2: Determination of Total Lead in Surface Coating Materials in Consumer Products by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) (2020-01-23)

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	Chemical tests (cont'd) :-	
All toys and children's products – surface coating material		Canada Consumer Product Safety Act (S.C. 2010, c.21), Toy Regulations SOR/2011-17, as amended by Regulations Amending Certain Regulations Made Under the Canada Consumer Product Safety Act (Surface Coating Materials) SOR/2022-122, Section 23
	- Total lead content	*Test procedures for compliance testing:* Health Canada Product Safety Laboratory, Reference Manual Book 5 – Laboratory Policies and Procedures, Part B: Test Method Section, Method C-02.2.2: Determination of Total Lead in Surface Coating Materials in Consumer Products by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) (2020-01-23)
	- Total mercury content	*Test procedures for compliance testing:* In-house method: SOP# CH-543C (ICP-MS)
	- Leachable arsenic, selenium, cadmium, antimony and barium	*Test procedures for compliance testing:* ASTM F963-23 Cl. 8.3.2 – 8.3.4 EN71-3:2019+A2:2024 ISO 8124-3:2020/Amd1:2023
All toys that is likely to be used by a child of less than three years of age – plastic materials	- Total lead content	Canada Consumer Product Safety Act (S.C. 2010, c.21), Toy Regulations SOR/2011-17, Section 27 (b) *Test procedures for compliance testing:* Health Canada Product Safety Laboratory, Reference Manual Book 5 – Laboratory Policies and Procedures, Part B: Test Method Section, Method C-02.3.2: Determination of Total Lead in Plastic Consumer Products by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) (2021-02-22)

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Toys and Children's Products 玩具及兒童產品		
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	Chemical tests (cont'd) :-	
All toys and children's products – plastic materials		Canada Consumer Product Safety Act (S.C. 2010, c.21), Consumer Products Containing Lead Regulations SOR/2018-83, Section 2
	- Total lead content	*Test procedures for compliance testing:* Health Canada Product Safety Laboratory, Reference Manual Book 5 – Laboratory Policies and Procedures, Part B: Test Method Section, Method C-02.3.2: Determination of Total Lead in Plastic Consumer Products by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) (2021-02-22)
All toys and children's products – metallic materials		Canada Consumer Product Safety Act (S.C. 2010, c.21), Consumer Products Containing Lead Regulations SOR/2018-83, Section 2
	- Total lead content	*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
Children's jewellery		Canada Consumer Product Safety Act (S.C. 2010, c.21), Children's Jewellery Regulations SOR/2018-82, Section 2
Children's jewellery - surface coating	- Total lead content	*Test procedures for compliance testing:* Health Canada Product Safety Laboratory, Reference Manual Book 5 – Laboratory Policies and Procedures, Part B: Test Method Section, Method C-02.2.2: Determination of Total Lead in Surface Coating Materials in Consumer Products by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) (2020-01-23)
Children's jewellery - plastic materials	- Total lead content	*Test procedures for compliance testing:* Health Canada Product Safety Laboratory, Reference Manual Book 5 – Laboratory Policies and Procedures, Part B: Test Method Section, Method C-02.3.2: Determination of Total Lead in Plastic Consumer Products by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) (2021-02-22)

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	Chemical tests (cont'd) :-	
Children's jewellery		Canada Consumer Product Safety Act (S.C. 2010, c.21), Children's Jewellery Regulations SOR/2016-168, Section 2
Children's jewellery - metallic materials	- Total lead content	*Test procedures for compliance testing:* Health Canada Product Safety Laboratory, Book 5 – Laboratory Policies and Procedures Part B: Test Methods Section, Method C-02.4: Determination of Total Lead and Cadmium in Metallic Consumer Products (2013-05-01)

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	Chemical tests (cont'd) :-	Japan Toy Safety Standard ST2016 Third Edition (2019.12.3) Part 3 Japan Toy Safety Standard ST2016 Fourth Edition (2022.10.4) Part 3
All toys' materials	- Colouring matters	Cl. 1.1 *Test Procedures for Compliance testing*: Cl. 2.1
Toys that are made of materials which are mainly composed of polyethylene, polyvinyl chloride (excluding parts on which paint coating is applied)	- Consumption of potassium permanganate and residue on evaporation - Heavy metals - Arsenic - Cadmium (excluding materials mainly composed of polyethylene)	Cl. 1.2 *Test Procedures for Compliance testing*: Cl. 1.2.1 & Cl. 2.2 Cl. 1.2.1 & Cl. 2.3 Cl. 1.2.1 & Cl. 2.4 Cl. 1.2.1 & Cl. 2.5 Cl. 1.2.1 & Cl. 2.6
Decalcomania, folded paper and rubber-made toys (excluding rubber pacifiers)	- Heavy metals - Arsenic	Cl. 1.3 *Test Procedures for Compliance testing*: Cl. 1.3.1 & Cl. 2.4 Cl. 1.3.1 & Cl. 2.5
Vinyl chloride resin coating	- Consumption of potassium permanganate - Residue after evaporation	Cl. 1.4 *Test Procedures for Compliance testing*: Cl. 1.4.1 & Cl. 2.2 Cl. 1.4.1 & Cl. 2.3
The Paint coating applied to the body or the components of the toys (excluding the printing ink used for paper containers)	- Heavy metals: 8 elements (antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium)	Cl. 1.5 *Test Procedures for Compliance testing*: Cl. 1.5.1 & Cl. 2.7 (1) ①, (2) & (3)
Textile products used for toys	- Free formaldehyde	Cl. 1.6 *Test Procedures for Compliance testing*: Cl. 1.6 & Cl. 2.8 ***<Excluding the following>*** Confirmation test by HPLC

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	Chemical tests (cont'd) :-	Japan Toy Safety Standard ST2016 Third Edition (2019.12.3) Part 3 (cont'd) Japan Toy Safety Standard ST2016 Fourth Edition (2022.10.4) Part 3 (cont'd)
Ink and the like used for the graphic instruments that are provided with the toys such as pencils, ball-point pens, markers, crayons, pastels, water colours, chalks, etc.	- Colouring matters - Heavy metals: 8 elements (antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium)	Cl. 1.8 *Test Procedures for Compliance testing*: Cl. 1.8.1 & Cl. 2.1 Cl. 1.8.2 & Cl. 2.7 (1) ②, (2) & (3)
Plasticized material in toys (polyvinyl chloride, polyurethane and rubber)	- Bis (2-ethylhexyl) phthalate, - Di-isononyl phthalate - Di-n-octyl phthalate - Di-iso-decyl phthalate - Butyl benzyl phthalate - Dibutyl phthalate	Cl. 1.9 ***<Excluding the following>*** Cl. 1.9.3 *Test Procedures for Compliance testing*: Cl. 2.10 ***<Excluding the following>*** Characterization & content determination tests by GC-FID
Rubber pacifiers	- Materials test: - Cadmium and lead - Elution test: - Phenol, Formaldehyde, Zinc, Heavy metals and Residue on evaporation	Cl. 1.10 *Test Procedures for Compliance testing*: Cl. 2.11.1 Cl. 2.11.2
Metals used for toy (neither painted nor covered)	- Lead	Cl. 1.11 *Test Procedures for Compliance testing*: Cl. 2.12 & 2.7 (2) & (3)

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	Chemical tests (cont'd) :-	Specifications and Standards for Foods, Food Additives, etc. under the Food Sanitation Act (ABSTRACTS) 2008, JETRO January 2009, Part V "TOYS" *Test procedures for compliance testing:-* Specifications, Standards and Testing Methods for Foodstuffs, Implements, Containers and Packaging, Toys, Detergents, JETRO January 2009 (Based on the tentative English translation published by JETRO)
Decals	- Heavy metals - Arsenic	Part III Section A Paragraph 1 *Test procedures for compliance testing:* Part II Section B Paragraph 4, 7
Origami paper	- Heavy metals - Arsenic	Part III Section A Paragraph 2 *Test procedures for compliance testing:* Part II Section B Paragraph 4, 7
Rubber pacifier	- Materials testing: - Cadmium and lead - Eluting testing: - Phenol, Formaldehyde, Zinc, Heavy metals and Evaporation of residue	Part III Section A Paragraph 3 *Test procedures for compliance testing:* Part II Section D Paragraph 3, Sub-paragraph 2
Coating film of toy	- Cadmium, lead and arsenic	Part III Section A Paragraph 4 *Test procedures for compliance testing:* Part II Section B Paragraph 9
Coating film coated by using Polyvinyl chloride	- Potassium permanganate consumption - Evaporation of residue	Part III Section A Paragraph 5 *Test procedures for compliance testing:* Part II Section B Paragraph 1, 5
Parts (excluding coating film) manufactured using materials mainly composed of polyvinyl chloride	- Potassium permanganate consumption - Heavy metals - Cadmium - Evaporation of residue - Arsenic	Part III Section A Paragraph 6 *Test procedures for compliance testing:* Part II Section B Paragraph 1, 4, 5, 7, 9

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	Chemical tests (cont'd) :-	Specifications and Standards for Foods, Food Additives, etc. under the Food Sanitation Act (ABSTRACTS) 2008, JETRO January 2009, Part V "TOYS" (cont'd) *Test procedures for compliance testing:-* Specifications, Standards and Testing Methods for Foodstuffs, Implements, Containers and Packaging, Toys, Detergents, JETRO January 2009 (Based on the tentative English translation published by JETRO) (cont'd)
Parts (excluding coating film) manufactured using materials mainly composed of polyethylene	- Potassium permanganate consumption - Heavy metals - Evaporation of residue - Arsenic	Part III Section A Paragraph 9 *Test procedures for compliance testing:* Part II Section B Paragraph 1, 4, 5, 7
Metallic accessories and toys that might be swallowed by infants and small children	- Lead	Part III Section A Paragraph 10 *Test procedures for compliance testing:* Part II Section B Paragraph 9
Synthetic resin-based colouring agents used in the manufacture of toy	- Colouring agent	Part III Section B

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	Chemical tests (cont'd) :-	
		Netherlands Law Gazette 1999 No. 149 (Chemical Substances Act) Regulation (EC) No 1907/2006 on REACH Annex XVII Item No 23 as amended by Commission Regulation (EC) No 835/2012 and Commission Regulation (EU) No 2016/217 United Kingdom Environmental Protection (Controls on Injurious Substances) (No.2) Regulations 1993 No. 1643 Swedish Ordinance SFS 1998: 944 for cadmium German Chemicals Prohibition Ordinance paragraph 18: Cadmium Switzerland Ordinance relating to Environmentally Hazardous Substances (Ordinance on Substances) of 9 June 1986 (updated Jan 1996) with Amd. of 11 Nov 1998, Annex 4.11 & 4.12
Surface coating, fabric, leather, metal, paint, paper, wood and coloured materials	- Cadmium content	*Test method for compliance testing for Cadmium content in other materials except plastics:-* In House Method SOP# CH-355C (ICP-AES)
Plastics	- Cadmium content	*Test methods for compliance testing for Cadmium content in plastics:-* BS EN 1122: 2001 method B (wet decomposition) EN 1122: 2001 method B (wet decomposition)
Product (intended to come into direct contact with skin)	-Nickel release	Regulation (EC) No 1907/2006 on REACH Annex XVII Item No 27 as amended by Commission Regulation (EC) No 552/2009 *Test methods for compliance testing for Nickel content:-* EN 1811: 2023 BS EN 1811: 2023

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	Chemical tests (cont'd) :-	
Product made from leather and textile	- Amine (Azo colourants) : 4-aminodiphenyl Benzidine 4-chloro-o-toluidine 2-naphthylamine o-aminoazotoluene 5-nitro-o-toluidine 4-chloroanilane 4-methoxy-m-phenylenediamine 4,4'-diaminodiphenylmethane 3,3'-dichlorobenzidine 3,3'-dimethoxybenzidine 3,3'-dimethylbenzidine 4,4'-methylenedi-o- toluidine p-cresidine 4,4'-methylene-bis-(2-chloroaniline) 4,4'-oxydianiline 4,4'-thiodianiline o-toluidine 4-methyl-m-phenylenediamine 2,4,5-trimethylaniline 2-methoxyaniline	Regulation (EC) No. 1907/2006 on REACH Annex XVII Item No 43 as amended by Commission Regulation (EC) No. 552/2009 and Commission Regulation (EU) No. 2020/2096 *Test methods for compliance testing for leather products:* EN ISO 17234-1: 2015 *Test method for compliance testing for textile products* EN ISO 14362-1: 2017
	4-aminoazobenzene	*Test methods for compliance testing for leather products:* EN ISO 17234-2: 2011 *Test methods for compliance testing for textile products:* EN ISO 14362-3: 2017 Techniques used are GC-MSD and HPLC-DAD for all test methods listed above.
Textile material of toy	- Free formaldehyde content	ISO 14184-1: 2011

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	Electrical tests :- 電性能測試	
Battery operated toy	- Battery operated toys safety tests	ASTM F963-23 Cl. 4.25 < ***Excluding the following*** > Cl. 4.25.9
Electrically operated toy or other electrically operated article intended for use by children	- Requirements for electrically operated toys or other electrically operated articles	16 CFR 1505 <***Excluding the following***> 1505.4, 1505.6 – Performance, part (f) – hydrokinetic (toys having pressure relief valves and/or steam engines)
Electric toy	- Compliance inspection and safety tests	BS EN IEC 62115: 2020 + A11: 2020 EN IEC 62115: 2020 + A11: 2020 < ***Excluding the following*** > for the above two standards Cl. 11 (IP tests to EN 60529), 13.8, 13.10, 18 (burning tests to IEC 60695-11-10 and ISO 9772, glow-wire ignition temperature test to IEC 60695-2-13), 19.2, Annex C, Annex D (D2.4, D.2.5, D.2.6, D.2.7, D.2.8), Annex E and Annex J IEC 62115: 2017 < ***Excluding the following*** > Cl. 11 (IP tests to EN 60529), 13.8, 13.10, 18 (burning tests to IEC 60695-11-10 and ISO 9772, glow-wire ignition temperature test to IEC 60695-2-13), 19.2, Annex C, Annex D (D2.4, D.2.5, D.2.6, D.2.7, D.2.8), Annex E and Annex J IS 15644: 2006 + A1: 2014 < ***Excluding the following*** > Cl. 11.1 (IP tests to IEC 60529), 14.15, 19 (burning tests to IEC 60695-11-10 and ISO 9772, glow-wire ignition temperature test to IEC 60695-2-13), 20 (radiation tests for laser, radiation tests for LED with wavelength $\lambda < 400$ nm or $\lambda > 1000$ nm) and Annex C

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	Electrical tests :-	
Electric toy	Compliance inspection and safety tests	GB 6675.1-2014 Cl. 5.4 & 5.6.2, and GB 19865-2005 + Amendment 1 **<*Excluding the following*>** Cl. 11.1 (IP tests to GB 4208-1993), 19 (burning tests to GB/T 5169.16 and ISO 9772, glow-wire ignition temperature test to GB/T 5169.13), 20 (radiation tests for laser, radiation tests for LED with wavelength $\lambda < 400$ nm or $\lambda > 1000$ nm) and Annex C GB 6675.1-2014 Cl. 5.4 & 5.6.2, and GB/T 19865-2024 **<*Excluding the following*>** Cl. 11 (IPX4 test to Clause 14.2.4 of GB/T 4208-2017), 13.8, 13.10, 19.2, Annex C, Annex D, Annex E, Annex J
電玩具	安全測試	GB 6675.1-2014 Cl. 5.4 & 5.6.2, 及 GB 19865-2005 + 第 1 號修改單 **<*不包含*>** Cl. 11.1 (根據 GB 4208-1993 的耐水測試) 19 (按 GB/T 5169.16 及 ISO 9772 進行的耐燃試驗, 按 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) 附錄 C GB 6675.1-2014 Cl. 5.4 & 5.6.2, 及 GB/T 19865-2024 <*不包含*> Cl. 11 (根據 GB/T 4208-2017 Cl.14.2.4 的 IPX4 測試),13.8, 13.10, 19.2, 附錄 C, 附錄 D, 附錄 E 及附錄 J

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	Flammability tests :- 易燃性能測試	
Toy	- Safety requirements and test methods	16 CFR Part 1500.44 and 16 CFR Part 1610
	- Safety requirements and test methods	ASTM F963-23 Cl. 4.2
	- Safety requirements and test methods	BS EN 71-2: 2020 + A1: 2025 EN 71-2: 2020 + A1: 2025 BS EN 71-2: 2020 EN 71-2: 2020 **< *Excluding the following* >** for the above four standards viscosity test, tests for flammable gas, highly flammable liquid, extremely flammable liquid and flammable gel
	- Safety requirements and test methods	AS/NZS ISO 8124.2: 2023 ISO 8124-2: 2023 IS 9873 (Part 2): 2017 **< *Excluding the following* >** for the above three standards viscosity test, tests for flammable gas, highly flammable liquid, extremely flammable liquid and flammable gel Japan Toy Safety Standard ST 2025 First Edition (2025.4.1) Part 2 (based on English version provided by JTA in April 2025) **< *Excluding the following* >** viscosity test, tests for flammable gas, highly flammable liquid, extremely flammable liquid and flammable gel

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	Flammability tests :- 易燃性能測試	
Toy	- Safety requirements and test methods	GB 6675.1-2014 Cl. 5.2.1 and GB 6675.3-2014 ***<Excluding the following >*** Viscosity test, tests for flammable gas, highly flammable liquid, flammable gel and highly flammable solid
玩具	- 安全規定及測試方法	GB 6675.1-2014 Cl. 5.2.1 及 GB 6675.3-2014 ***<不包含>*** 粘度測試、易燃氣體測試、 高度易燃液體測試、易燃凝膠體測試和 高度易燃固體測試
Dolls, plush toys and soft toy	- Safety requirements and test methods	Canada Toys Regulations (SOR/2011-17) (Last amended on 20 November 2024) Section 32, 33, 34, 45, 46 and 47

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	Microbiological tests :-	
Process water used in the manufacturing and filling of toys		ASTM F963-17 cl. 4.3.6.1 ASTM F963-23 cl. 4.3.6.1 *Test methods for compliance testing:*
	- Heterotrophic plate count (35ºC)	APHA 24e 9215A&B
	- Total Coliform	APHA 24e 9222B (membrane filtration method)
Aqueous liquid	- Coliform count / *E. coli* count	US FDA Bacteriological Analytical Manual Online (BAM online), Ch. 4, October 2020 (3 tubes MPN Method followed by completed test for E. coli) US FDA Bacteriological Analytical Manual Online (BAM online), Ch. 4, October 2020 (10 tubes MPN Method followed by completed test for E. coli) DoE(1983) The Bacteriological Examination of Drinking Water Supplies, 1982 (Membrane Filtration Procedure: Sections 7.8, 7.9.4.1 and 7.9.4.2; Bacterial Confirmation: Section 7.9.4.3 and 7.9.4.4)
	- Total coliform count	APHA 24e 9222B (Membrane Filtration Method) The Microbiology of Drinking Water (2009) - Part 4A Method for the Examination of Water and Associated Materials, Environmental Agency, UK, < ***Excluding the following*** > Application of agar medium
	- Fecal coliform count	APHA 24e 9222B & G (Membrane Filtration Method)
	- *E. coli* count	APHA 24e 9222B & H (Membrane Filtration Method) APHA 24e 9222B & I (Membrane Filtration Method) The Microbiology of Drinking Water (2009) - Part 4A Method for the Examination of Water and Associated Materials, Environmental Agency, UK, < ***Excluding the following*** > Application of agar medium

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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
	Microbiological tests :-	
Toy cosmetics, liquids, pastes, putties, gels and powders < ***Excluding the following*** > - avian feather products	Cleanliness of Materials	ASTM F963-17 Cl. 4.3.6.3 and 8.4.1
	Microbiological examination of non-sterile Products:	*Test procedures for compliance testing:*
	- Microbial enumeration test	USP-NF 2024, Issue 3, Chapter < 61 >
	- Test for specified microorganisms	USP-NF 2024, Issue 3, Chapter < 62 >
Toy cosmetics, liquids, pastes, putties, gels, and powders	Preservative Effectiveness	ASTM F963-17 Cl. 4.3.6.4 & 8.4.2 *Test procedures for compliance testing:*
	Antimicrobial effectiveness testing	USP-NF 2024, Issue 3, Chapter < 51 >
Toy cosmetics, liquids, pastes, putties, gels and powders < ***Excluding the following*** > - avian feather products	Cleanliness of Materials	ASTM F963-23 Cl. 4.3.6.3 and 8.4.1
	Microbiological examination of non-sterile Products:	*Test procedures for compliance testing:*
	- Microbial enumeration test	USP-NF 2024, Issue 3, Chapter < 61 >
	- Test for specified microorganisms	USP-NF 2024, Issue 3, Chapter < 62 >
Toy cosmetics, liquids, pastes, putties, gels, and powders	Preservative Effectiveness	ASTM F963-23 Cl. 4.3.6.4 & 8.4.2.2.2 & 8.4.2.3 *Test procedures for compliance testing:*
	Antimicrobial effectiveness testing	USP-NF 2024, Issue 3, Chapter < 51 >
Toy containing aqueous media		Co-ordination of the Notified Bodies NB-TOYS under the Safety of Toys Directive NB-TOYS/2021-053, FINAL EC-type approval protocol No. 2 Microbiological safety of toys containing aqueous media REV4 (January 2022)
	Microbiological examination of non-sterile products:	*Test methods for compliance testing:*
	- Microbial Enumeration Test	European Pharmacopoeia 11th edition (2023), Method 2.6.12
	- Test for specified microorganisms	European Pharmacopoeia 11th edition (2023), Method 2.6.13
	- Efficacy of antimicrobial preservation	European Pharmacopoeia 11th edition (2023), General texts 5.1.3

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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
	Physical and mechanical tests :-	
Toy	- Safety requirements and test methods	AS/NZS ISO 8124.1: 2023 ISO 8124-1: 2022 **< *Excluding the following* >** for the above two standards Cl. 4.8.2, 4.21, 4.22 and 4.23
Toy	- Safety requirements and test methods	IS 9873 (Part 1): 2019 **< *Excluding the following* >** Cl. 4.8.2, 4.21, 4.22 and 4.23
Toy	- Safety Requirements and test methods	Japan Toy Safety Standard ST 2025 First Edition (April 1, 2025) Part 1 (based on English version provided by JTA on April 1, 2025) **<*Excluding the following*>** Cl. 4.15.4 and 4.19 (Inflatable vinyl toys intended to be used on the surface of water (Annex I))
Toy	- Safety requirements and test methods	BS EN 71-1: 2014 + A1: 2018 EN 71-1: 2014 + A1: 2018 **< *Excluding the following* >** for the above two standards Cl. 4.15.1.2 (Electrically or mechanically driven ride-on toys), 4.15.1.5, 4.15.1.8, 4.15.2, 4.18 (Test to EN 15649-3), 4.20 (Toys using headphones or earphones, voice toys) and 5.6

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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
	Physical and mechanical tests :- 機械和物理性能測試	
Toy	- Safety requirements and test methods	GB 6675.1-2014 Cl. 5.1.1 to 5.1.10, 5.7 and GB 6675.2-2014 + Amendment 1 **<*Excluding the following*>** Cl. 4.20, 4.21 & 4.22
玩具	- 安全規定及測試方法	GB 6675.1-2014 Cl. 5.1.1 至 5.1.10, 5.7 及 GB 6675.2-2014 +第 1 號修改單 **<*不包含*>** Cl. 4.20, 4.21 & 4.22
	Instructions for use of toys	GB/T 5296.5-2006
	玩具使用說明	GB/T 5296.5-2006
Toy scooter 玩具滑板車	- Safety requirements and test methods	GB 6675.2-2014 and GB 6675.12-2014
	- 安全規定及測試方法	GB 6675.2-2014 and GB 6675.12-2014

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Toys and Children's Products 玩具及兒童產品

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	Physical and mechanical tests :-	
Toy	- Physical and mechanical tests - Safety requirements	ASTM F963-23 Cl. 4.1, 4.3.3.1, 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, 4.23.1, 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, 4.37, 4.38, 4.39, 4.40, 4.41 < ***Excluding the following*** > Cl. 4.1 (reprocessed materials test to 4.3.1) and 4.8.1
	- Labeling requirements	Section 5
	- Instructional literature	Section 6
	- Producer's markings	Section 7
	- Test methods	Section 8
Toy	- Safety requirements and test methods	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

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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
	Physical and mechanical tests :-	
Balls intended for use by children under 3 years of age	- Identification of mechanical hazard of small balls	16 CFR Part 1500.18(a)(17)
Dive Sticks	- Method for determining the angle of a dive stick from vertical when it comes to rest underwater	16 CFR Part 1500.86(a)(7)
	- Method for determining the maximum vertical compressive force of a dive stick	16 CFR Part 1500.86(a)(8)
Marbles, small balls, balloons and other small parts intended for use by children above 3 years of age	- Determination of misbranded toys	16 CFR Part 1500.19
Pacifiers	- Requirement for pacifiers	16 CFR Part 1511

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Toys and Children's Products 玩具及兒童產品

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	Physical and mechanical tests :-	
Toy	- Safety requirements and test methods	Canada Toys Regulations SOR/2011-17 (last amended on 20 November 2024) Section 3, 4, 7 to 19, 28 to 31, 37, 40, 41, 43 and 44 < ***Excluding the following*** > 29(c) and 29(d) Health Canada Product Safety Reference Manual Book 5 – Laboratory Policies and Procedures Part B: Test Method Section Method M00.1 (2024-02-26) Method M00.2 (2024-02-27) Method M00.3 (2024-02-29) Method M00.4 (2024-03-11) Method M01.1 (2024-02-29) Method M03 (2022-03-16) Method M04 (2022-07-04) ***<Excluding the following>*** B.9A group including toy masks, hats and other head wearables (excluding over the ear and in the ear sound sources) Method M05 (2024-04-29) Method M18 (2021-02-04) (Note: The above test methods should be used in conjunction with the relevant sections of Canada Toys Regulations (SOR/2011-17))
Writing and marking instruments likely to be used by children up to the age of 14		
- Safety caps	- Assessment of the risk of asphyxiation	BS 7272-1: 2008
- End closures	- Assessment of the risk of asphyxiation	BS 7272-2: 2008 +A1: 2014

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Electrical and Electronic Products 電氣及電子產品		
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
	EMC tests :-	
	Emission tests	
Battery toy	- Measurement of radiated disturbance (at Hong Kong Productivity Council EMC Centre) - 9 kHz to 1 GHz	CISPR 14-1: 2016 EN 55014-1: 2017
	- Measurement of radiated disturbance (at Hong Kong Productivity Council EMC Centre) - 9 kHz to 6 GHz	CISPR 14-1: 2020 EN IEC 55014-1: 2021
Battery operated electrical and electronic apparatus intended for use in residential, commercial or light-industrial environment for which no dedicated product or product-family emission standard exists and without power supply, telecommunications and network port	- Measurement of radiated disturbance (at Hong Kong Productivity Council EMC Centre) - 30 MHz to 1 GHz	EN 61000-6-3: 2007 +A1: 2011 AS/NZS 61000.6.3: 2007 AS/NZS 61000.6.3: 2012
	- Measurement of radiated disturbance (at Hong Kong Productivity Council EMC Centre) - 30 MHz to 6 GHz	BS EN IEC 61000-6-3: 2021 AS/NZS 61000.6.3: 2021

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Electrical and Electronic Products 電氣及電子產品		
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
	EMC tests:- (cont'd)	
	Immunity tests	
Battery toy	- Electrostatic discharge	CISPR 14-2: 2015 CISPR 14-2: 2020
	- Radio frequency electromagnetic field	EN 55014-2: 2015 BS EN IEC 55014-2: 2021
Battery operated electrical and electronic apparatus intended for use in residential, commercial or light-industrial environment for which no dedicated product or product-family immunity standard exists and without power supply and signal port	- Electrostatic discharge - Radio frequency electromagnetic field	EN 61000-6-1: 2007 IEC 61000-6-1: 2005 EN IEC 61000-6-1: 2019
Electrical and electronic equipment	- Electrostatic discharge - 8/15 kV air discharge - 4/8 kV contact discharge	EN 61000-4-2: 2009 IEC 61000-4-2: 2008
Electrical and electronic equipment	- Radiated, radio frequency electromagnetic fields - 80 MHz to 1GHz, 3 V/m - 80 MHz to 1GHz, 10 V/m - 1 GHz to 6 GHz, 3 V/m	EN 61000-4-3: 2006 + A2: 2010 EN IEC 61000-4-3: 2020 IEC 61000-4-3: 2006 + A1: 2007 + A2: 2010 IEC 61000-4-3: 2020

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Summary of Voluntary Suspension

.vs. denotes test for which accreditation has been voluntarily suspended with effect from 31 October 2026 (Notification Letter no. HOKLAS058-246).