



CMA Industrial Development Foundation Limited

香港中華廠商聯合會工業發展基金有限公司

ADDRESS : Rm. 1302, Yan Hing Centre, 9-13 Wong Chuk Yeung Street, Fo Tan, Shatin,
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ACCREDITED TEST : Testing Required by the China Compulsory Certification System (CCC)
CATEGORY 中國強制性產品認證制度規定的檢測
認可測試類別 Chemical Testing 化學測試
Chinese Medicine 中藥
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
Physical and Mechanical Testing 物理及機械測試
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
<p>Toys and children's products 兒童用品</p> <ul style="list-style-type: none"> - Toys (2202) - 玩具 (2202) - Plastic toy < <i>Excluding the following</i> > <ul style="list-style-type: none"> - toy containing gas or liquid - imitation weapon toy - cosmetic toy - toy with direct food contact - toys with folding mechanisms - toy chest and similar toy - pull and push toy and hand-actuated spring-propelled toy - large and bulky toy - 塑膠玩具 < <i>不包括</i> > <ul style="list-style-type: none"> - 含氣體或液體玩具 - 仿真武器玩具 - 玩具化妝品 - 與食品直接接觸的玩具 - 帶有折疊機構的玩具 - 玩具箱及類似的玩具 - 推拉玩具和手動彈簧驅動玩具 - 大型玩具 	<p>All required tests as specified in CNCA-C22-02: 2020</p> <p>CNCA-C22-02: 2020 有關規定的所有檢測</p>	<p>GB 6675.1-2014 GB 6675.2-2014 GB 6675.3-2014 GB 6675.4-2014</p> <p>GB 6675.1-2014 GB 6675.2-2014 GB 6675.3-2014 GB 6675.4-2014</p>

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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
<p>Toys and children's products (cont'd) 兒童用品(續上)</p> <p>- Toy (2202) (cont'd) - 玩具(2202) (續上)</p> <p>- Metal toy < <i>Excluding the following</i> > - toy containing gas or liquid - imitation weapon toy - cosmetic toy - toy with direct food contact - toys with folding mechanisms - toy chest and similar toy - pull and push toy and hand-actuated spring-propelled toy - large and bulky toy</p> <p>- 金屬玩具 < <i>不包括</i> > - 含氣體或液體玩具 - 仿真武器玩具 - 玩具化妝品 - 與食品直接接觸的玩具 - 帶有折疊機構的玩具 - 玩具箱及類似的玩具 - 推拉玩具和手動彈簧驅動玩具 - 大型玩具</p>	<p>All required tests as specified in CNCA-C22-02: 2020</p> <p>CNCA-C22-02: 2020 有關規定的所有檢測</p>	<p>GB 6675.1-2014 GB 6675.2-2014 GB 6675.3-2014 GB 6675.4-2014</p> <p>GB 6675.1-2014 GB 6675.2-2014 GB 6675.3-2014 GB 6675.4-2014</p>

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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
Plastics	Chemical tests:- - Cadmium content	Regulation (EC) No. 1907/2006 on REACH Annex XVII Item No 23 as amended by Commission Regulation (EC) No. 552/2009 UK The Environmental Protection (Control on Injurious Substances) (No. 2) Regulations SI 1643:1993 <i>Test methods for testing of cadmium content:-</i> BS EN 1122: 2001 (Method B – Wet decomposition)
Products intended to come into direct contact with skin and piercing parts	- Release of nickel	Regulation (EC) No. 1907/2006 on REACH Annex XVII Item No 27 as amended by Commission Regulation (EC) No. 552/2009 <i>Test methods for testing of release of Nickel content:-</i> BS EN 1811: 2011 + A1: 2015 EN 1811: 2011 + AC: May 2012 EN 1811: 2011 + A1: 2015 BS EN 12472: 2005 + A1: 2009 in conjunction with BS EN 1811: 2011 + A1: 2015 EN 12472: 2005 (E) + A1: 2009 in conjunction with EN 1811: 2011 + A1: 2015
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)	- Release of nickel	Regulation (EC) No. 1907/2006 on REACH Annex XVII Item No 27 as amended by Commission Regulation (EC) No. 552/2009 <i>Test methods for testing of release of Nickel content:-</i> BS EN 12472: 2020 in conjunction with BS EN 1811: 2011 + A1: 2015 EN 12472: 2020 in conjunction with EN 1811: 2011 + A1: 2015

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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
Textile products	Amine (Azo colourants) : 1) 4-aminodiphenyl 2) benzidine 3) 4-chloro-o-toluidine 4) 2-naphthylamine 5) o-aminoazotoluene 6) 5-nitro-o-toluidine 7) 4-chloroaniline 8) 4-methoxy-m-phenylenediamine 9) 4,4'-diaminodiphenylmethane 10) 3,3'-dichlorobenzidine 11) 3,3'-dimethoxybenzidine 12) 3,3'-dimethylbenzidine 13) 4,4'-methylene-di-o-toluidine 14) p-cresidine 15) 4,4'-methylene-bis-(2-chloro-aniline) 16) 4,4'-oxydianiline 17) 4,4'-thiodianiline 18) o-toluidine 19) 4-methyl-m-phenylenediamine 20) 2,4,5-trimethylaniline 21) 2-methoxyaniline 22) p-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 <i>Test procedures for compliance testing:</i> EN ISO 14362-1:2017 EN ISO 14362-3:2017 Techniques used are GC-MSD for detection and LC-MS/MS for confirmation for all test methods listed above.

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Chemical Testing 化學測試

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Textile products	Amine (Azo colourants) : 1) 4-aminodiphenyl 2) benzidine 3) 4-chloro-o-toluidine 4) 2-naphthylamine 5) o-aminoazotoluene 6) 5-nitro-o-toluidine 7) 4-chloroaniline 8) 4-methoxy-m-phenylenediamine 9) 4,4'-diaminodiphenylmethane 10) 3,3'-dichlorobenzidine 11) 3,3'-dimethoxybenzidine 12) 3,3'-dimethylbenzidine 13) 4,4'-methylene-di-o-toluidine 14) p-cresidine 15) 4,4'-methylene-bis-(2-chloro-aniline) 16) 4,4'-oxydianiline 17) 4,4'-thiodianiline 18) o-toluidine 19) 4-methyl-m-phenylenediamine 20) 2,4,5-trimethylaniline 21) 2-methoxyaniline 22) p-aminoazobenzene	ISO 14362-1:2017 ISO 14362-3:2017 BS EN ISO 14362-1:2017 BS EN ISO 14362-3:2017 Techniques used are GC-MSD for detection, LC-MS/MS for confirmation for all test methods listed above.

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Chemical Testing 化學測試

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Ferric Chloride Solution	Assay of ferric chloride 亞鐵(Fe ²⁺)含量 不溶物含量 游離酸含量 鋅含量 汞含量 鎘含量 Lead Chromium Arsenic, Copper and Nickel Specific Gravity	GB 4482-2006 Section 5.1 GB/T 4482-2018 (6.3) GB/T 4482-2018 (6.4) GB/T 4482-2018 (6.5) GB/T 4482-2018 (6.7) GB/T 4482-2018 (6.10.2) GB/T 4482-2018 (6.11) In-house method TG-ENV-WW-107 (by AAS) In-house method TG-ENV-WW-117 (by AAS) In-house method TG-ENV-WW-119 (by ICP-OES) In-house method TG-ENV-WW-110 (by Glass Pycnometer)
Sodium Hypochlorite Solution	Available chlorine 游離鹼(以NaOH計) 鐵 重金屬(以Pb計) Arsenic pH	GB 19106-2003 Cl. 5.1 GB 19106-2003 (5.2) GB 19106-2003 (5.3) GB 19106-2013 (5.6) In-house method TG-ENV-WW-120 (by ICP-OES) In-house method TG-ENV-WW-111 (by pH meter)

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Chemical Testing 化學測試		
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Sodium Chlorite Solution	Chemical tests:- Assay of Sodium Chlorite	HG/T 3250-2010 Cl. 5.4
Sodium Bisulphite Solution	Assay of Sodium Bisulphite	HG/T 3814-2006 Cl. 4.3
Sodium Hydroxide Solution	Determination of Sodium Hydroxide	GB/T 4348.1-2000 < Excluding determination of sodium carbonate >

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Chinese Medicine 中藥		
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
Proprietary Chinese Medicines and Chinese Herbal Medicines	Toxic elements :- Arsenic, Cadmium, Lead, Mercury, Copper	In-house Method TG-FP-119 (ICP-MS)
Proprietary Chinese Medicines and Chinese Herbal Medicines <Excluding the following> Ointments, Liniments made of extract of crude drugs in oils	Pesticides residues:- - Organochlorine pesticides: Aldrin, Dieldrin, Endrin, cis-Chlordane, trans-Chlordane, Oxychlordane, Heptachlor, Heptachlor epoxide, Hexachlorocyclohexane isomers (alpha-, beta- and delta-BHC) , Lindane, Hexachlorobenzene, Methyl pentachlorophenyl sulphide, Pentachloroaniline, Quintozene (pentachloronitrobenzene), 2,4'-DDT, 4,4'-DDT, 4,4'-DDE and 4,4'-DDD.	In-house Method TC-FP-120 (GC-ECD & GC-MS)

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Chinese Medicine 中藥		
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
Proprietary Chinese Medicines	Microbiological examinations:- - Microbial Limit Test: Aerobic bacteria count Mold and Yeast count <i>E. coli</i> <i>Salmonella</i> species <i>Pseudomonas aeruginosa</i> <i>Staphylococcus aureus</i> - 微生物限度檢查法 Microbial Limit Test 細菌數 Aerobic Bacteria Count 霉菌與酵母菌數 Mold and Yeast Count 大腸埃希菌 <i>E. coli</i> 大腸菌群 Coliform 沙門菌 <i>Salmonella</i> species 銅綠假單胞菌 <i>Pseudomonas aeruginosa</i> 金黃色葡萄球菌 <i>Staphylococcus aureus</i> 梭菌 Clostridium - 微生物限度檢查法 Microbial Limit Test 細菌數 Aerobic bacteria count 霉菌與酵母菌數 Mold and Yeast count 大腸埃希菌 <i>E. coli</i> 大腸菌群 Coliform 沙門菌 <i>Salmonella</i> species 銅綠假單胞菌 <i>Pseudomonas aeruginosa</i> 金黃色葡萄球菌 <i>Staphylococcus aureus</i> 梭菌 Clostridium 白色念珠菌 <i>Candida albicans</i>	Pharmacopoeia of the People's Republic of China 2000, Volume I, App. XIIC (English Edition) 中華人民共和國藥典 2005 年版一部附錄 XIIC Pharmacopoeia of the People's Republic of China 2005, Volume I, App. XIIC 中華人民共和國藥典 2010 年版一部附錄 XIIC Pharmacopoeia of the People's Republic of China 2010, Volume I, App. XIIC

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Chinese Medicine 中藥		
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Proprietary Chinese Medicines (Nonsterile products)	- Microbial Enumeration Tests and Tests for Specified Microorganisms 微生物計數法及控制菌檢查法 需氧菌總數 Total Aerobic Microbial Count 霉菌和酵母菌總數 Total Combined Yeast and Mold Count 耐膽鹽革蘭陰性菌 Bile-tolerant Gram negative bacteria detection 大腸埃希菌 <i>E. coli</i> 沙門菌 <i>Salmonella</i> species 銅綠假單胞菌 <i>Pseudomonas aeruginosa</i> 金黃色葡萄球菌 <i>Staphylococcus aureus</i> 梭菌 <i>Clostridium</i> 白色念珠菌 <i>Candida albicans</i>	中華人民共和國藥典 2015 年版四部 1105 & 1106 段, 非無菌產品微生物限度檢查: 微生物計數法及控制菌檢查法 Pharmacopoeia of the People's Republic of China 2015, Volume IV, Parts 1105 & 1106
	- Microbial Enumeration Tests and Tests for Specified Microorganisms 微生物計數法及控制菌檢查法 需氧菌總數 Total Aerobic Microbial Count 霉菌和酵母菌總數 Total Combined Yeast and Mold Count 耐膽鹽革蘭陰性菌 Bile-tolerant Gram negative bacteria detection 大腸埃希菌 <i>E. coli</i> 沙門菌 <i>Salmonella</i> species 銅綠假單胞菌 <i>Pseudomonas aeruginosa</i> 金黃色葡萄球菌 <i>Staphylococcus aureus</i> 梭菌 <i>Clostridium</i> 白色念珠菌 <i>Candida albicans</i>	中華人民共和國藥典 2020 年版四部 1105 & 1106 段, 非無菌產品微生物限度檢查: 微生物計數法及控制菌檢查法 Pharmacopoeia of the People's Republic of China 2020, Volume IV, Parts 1105 & 1106

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Chinese Medicine 中藥		
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Chinese Materia Medica 中藥材	Chemical and physicochemical tests:- - Determination of water content 水分含量 (by oven dried method 烘乾法) - Determination of heavy metals: Arsenic, Cadmium, Lead, Mercury 重金屬檢定方法：砷、鎘、鉛、汞 - Determination of Mycotoxins (Aflatoxins) Aflatoxins B ₁ , B ₂ , G ₁ , G ₂ 霉菌毒素(黃曲霉毒素)測定方法 黃曲霉毒素 B ₁ , B ₂ , G ₁ , G ₂	Hong Kong Chinese Materia Medica Standards, Volume 4-7, App. X(2) 香港中藥材標準第四至七冊，附錄 X(2) Hong Kong Chinese Materia Medica Standards, Volume 1-7, App. V 香港中藥材標準第一至七冊，附錄 V Hong Kong Chinese Materia Medica Standards, Volume 1-7, App. VII 香港中藥材標準第一至七冊，附錄 VII

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Electrical and Electronic Products 電氣及電子產品

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Unintentional radiators	EMC tests :- Emission tests - Measurement of radiated emission - 9 kHz to 40 GHz - Measurement of conducted emission - 150 kHz to 30 MHz	47 CFR Part 15 Subpart A and B using test method specified in ANSI C63.4-2014
Intentional radiators	- Measurement of radiated emission - 9 kHz to 40 GHz - Measurement of conducted emission - 150 kHz to 30 MHz	47 CFR Part 15 Subpart A and C using test methods specified in ANSI C63.10-2013
Unlicensed National Information Infrastructure (UNII) without Dynamic Frequency Selection (DFS) Intentional Radiators	- Measurement of radiated emission - 9 kHz to 40 GHz - Measurement of conducted emission - 150 kHz to 30 MHz	47 CFR Part 15 Subpart A and E using test methods specified in ANSI C63.10-2013

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Electrical and Electronic Products 電氣及電子產品

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<p>Licence-exempt radio apparatus: category I equipment</p> <p>Digital Transmission System (DTSs), Frequency Hopping System (FHSS) and Licence-Exempt Local Area Network (LE-LAN) Devices without Dynamic Frequency Selection (DFS)</p>	<p>EMC tests :-</p> <p>Emission tests</p> <ul style="list-style-type: none"> - Measurement of radiated emission - 9 kHz to 40 GHz - Measurement of conducted emission - 150 kHz to 30 MHz - Measurement of conducted emission at antenna terminal - 9 kHz to 40 GHz <ul style="list-style-type: none"> - Measurement of radiated emission - 9 kHz to 40 GHz - Measurement of conducted emission - 150 kHz to 30 MHz - Measurement of conducted emission at antenna terminal - 9 kHz to 40 GHz 	<p>RSS-210 Issue 9, August 2016, (Amendment November 2017) in conjunction with RSS-Gen Issue 5, March 2019, Amendment 1 using test methods specified in ANSI C63.10: 2013</p> <p>RSS-247 Issue 2, February 2017 in conjunction with RSS-Gen Issue 5, March 2019, Amendment 1 using test methods specified in ANSI C63.10: 2013 < <i>Excluding the following</i> > Section 6</p>

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Electrical and Electronic Products 電氣及電子產品

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<p>Sound broadcast receivers and associated equipment <i><Excluding the following></i></p> <ul style="list-style-type: none"> - PC tuner cards - outdoor units - broadcast receivers for digital signals 	<p>EMC tests :-</p> <p>Emission tests</p> <ul style="list-style-type: none"> - Measurement of terminal disturbance voltages - 0.15 MHz to 30 MHz - Measurement of disturbance power - 30 MHz to 300 MHz - Measurement of radiated disturbances - 30 MHz to 1 GHz 	<p>AS/NZS CISPR 13: 2012 CISPR 13: 2009 EN 55013: 2013</p>
<p>Household appliances, electric tools and similar apparatus, electric and electronic toys <i><Excluding the following></i></p> <ul style="list-style-type: none"> - washing machines - dish-washing machines - tumble dryers - centrifugal dryers - lifting devices - automatic goods-dispensing machines - entertainment machines - three-phase equipment 	<ul style="list-style-type: none"> - Measurement of terminal disturbance Voltages - 0.15 MHz to 30 MHz - Measurement of disturbance power - 30 MHz to 300 MHz - Measurement of radiated disturbances - 30 MHz to 1 GHz 	<p>AS/NZS CISPR 14.1: 2010 CISPR 14-1: 2005 EN 55014-1: 2006 + A1: 2009 + A2: 2011 EN 55014-1: 2017 + A11: 2020 EN IEC 55014-1:2021</p>
<p>Lighting equipment and luminaires <i><Excluding the following></i></p> <ul style="list-style-type: none"> - fluorescent lamps - semi-luminaires - self ballasted lamps - UV fluorescent lamp appliances - transport lighting - cold cathode tubular discharge lamp - self-contained emergency lighting luminaires - replaceable starters for fluorescent lamps 	<ul style="list-style-type: none"> - Measurement of conducted disturbance voltages at mains terminals, load terminals and control terminals - 9 kHz to 30 MHz - Measurement of radiated electromagnetic disturbances - 9 kHz to 300 MHz 	<p>AS/NZS CISPR 15: 2011 CISPR 15: 2013 EN 55015: 2013</p>

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Electrical and Electronic Products 電氣及電子產品

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<p>Information technology equipment < <i>Excluding the following</i> > - test volume diameter of equipment > 1.5 m - telecommunications terminal equipment</p> <p>Multimedia equipment < <i>Excluding the following</i> > - test volume diameter of equipment > 1.5 m - equipment with analogue or digital data port - outdoor unit of home satellite receiving system - rack-mounted equipment - TV broadcast receiver - telecommunications terminal equipment</p>	<p>EMC tests :-</p> <p>Emission tests</p> <p>- Measurement of terminal disturbance Voltages - 150 kHz to 30 MHz</p> <p>- Measurement of radiated disturbances - 30 MHz to 6 GHz</p> <p>- Conducted emission - 150 kHz to 30 MHz</p> <p>- Radiated disturbances - 30 MHz to 6 GHz</p>	<p>AS/NZS CISPR 22: 2009 CISPR 22: 2008 EN 55022: 2010 < <i>Excluding the following</i> > for the above there standards Cl. 9.6, 10.8 and 10.9</p> <p>AS/NZS CISPR 32: 2015 CISPR 32: 2015 EN 55032: 2015 + Corr. 2016 < <i>Excluding the following</i> > for the above there standards Tables A.7, A.11.2, A.11.3, A.12.2, A.12.3 and A13; Annexes H and I</p>

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Electrical and Electronic Products 電氣及電子產品

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<p>Electrical and electronic equipment having an input current up to 16 A per phase and connected to 220 V, 230 V or 240 V supply system operating at 50 Hz or 60 Hz</p> <p><i>< Excluding the following ></i></p> <ul style="list-style-type: none"> - three phase equipment - washing machines - refrigerators and freezers - air conditioners <p>Electrical and electronic equipment having an input current up to 16 A per phase and connected to a supply system of line to neutral voltage between 220 V and 250 V at 50 Hz</p> <p><i>< Excluding the following ></i></p> <ul style="list-style-type: none"> - three-phase equipment - washing machines - refrigerators and freezers - air conditioners <p>Electrical and electronic apparatus intended for use in residential, commercial and light-industrial environment for which no dedicated product or product-family emission standard exists</p> <p><i>< Excluding the following ></i></p> <ul style="list-style-type: none"> - measurement of telecommunications / network point 	<p>EMC tests :-</p> <p>Emission tests</p> <ul style="list-style-type: none"> - Harmonic currents - Voltage fluctuations and flicker at the supply terminals of the equipment (direct measurement using flickermeter) - Measurement of radiated disturbances - 30 MHz to 1 GHz - Measurement of terminal disturbance voltage - 0.15 MHz to 30 MHz 	<p>EN 61000-3-2: 2014 IEC 61000-3-2: 2014 EN IEC 61000-3-2: 2019 + A1: 2021</p> <p>EN 61000-3-3: 2013 IEC 61000-3-3: 2013 EN 61000-3-3: 2013 + A1: 2019</p> <p>EN 61000-6-3: 2007 + A1: 2011 AS/NZS 61000.6.3: 2007 IEC 61000-6-3: 2006 + A1: 2010</p>

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Electrical and Electronic Products 電氣及電子產品

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<p>Household appliances, electric tools and similar apparatus, electric and electronic toys < Excluding the following ></p> <ul style="list-style-type: none"> - washing machines - dish- washing machines - tumble dryers - centrifugal dryers - lifting devices - automatic goods-dispensing machines - entertainment machines - three-phase equipment 	<p>EMC tests :-</p> <p>Immunity tests</p> <ul style="list-style-type: none"> - Electrostatic discharge - Fast transient/burst - Injected currents - Surge - Voltage dips and interruptions 	<p>CISPR 14-2: 1997 + A1: 2001 + A2: 2008 EN 55014-2: 1997 + A1: 2001 + A2: 2008 EN 55014-2: 2015 EN IEC 55014-2: 2021</p>
<p>Electrical and electronic equipment</p>	<ul style="list-style-type: none"> - Electrostatic discharge 	<p>EN 61000-4-2: 2009 IEC 61000-4-2: 2008 < Excluding the following > for the above two standards Annex B</p>
<p>Electrical and electronic equipment < Excluding the following ></p> <ul style="list-style-type: none"> - three-phase equipment - equipment with interconnection or communication line 	<ul style="list-style-type: none"> - Electrical fast transient/burst - 4 kV 5/50 ns - Surge - 4 kV 1.2/50 µs and 8/20 µs 	<p>EN 61000-4-4: 2012 IEC 61000-4-4: 2012</p> <p>EN 61000-4-5: 2014 IEC 61000-4-5: 2014</p>
<p>Electrical and electronic equipment < Excluding the following ></p> <ul style="list-style-type: none"> - three-phase equipment - equipment with interconnection or communication line 	<ul style="list-style-type: none"> - Conducted disturbance induced by radio frequency fields - 150 kHz to 80 MHz, 3 V (max) 	<p>EN 61000-4-6: 2014 IEC 61000-4-6: 2013 < Excluding the following > for the above two standards Cl. 6.2.3</p>
	<ul style="list-style-type: none"> - Voltage dips, short interruptions and voltage variations 	<p>EN 61000-4-11: 2004 IEC 61000-4-11: 2004</p>

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Electrical and Electronic Products 電氣及電子產品

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<p>Household and similar electrical appliances</p> <p>- Single phase electrical appliance</p> <p>< Excluding the following ></p> <p>- appliance for use in tropical climate</p>	<p>Safety tests :-</p> <p>- Compliance inspection and safety tests</p>	<p>BS EN 60335-1: 2012 + A13: 2017 EN 60335-1: 2012 + A13: 2017</p> <p>< Excluding the following ></p> <p>for the above two standards</p> <p>Cl. 8.1.4 (discharge measurement), 15.1, 19.11.3, 19.11.4 22.1 (tests for IP5X, IP6X), 22.7, 22.32 (oxygen bomb test), 22.46, 32 (EMF measurement); Annex J</p> <p>(Note: The above standards should be used in conjunction with the product test standards as detailed in relevant Part 2 of BS EN 60335 or EN 60335)</p> <p>IEC 60335-1: 2010 + A1: 2013 + A2: 2016</p> <p>< Excluding the following ></p> <p>Cl. 8.1.4 (discharge measurement), 15.1, 19.11.3, 19.11.4 22.1 (tests for IP5X, IP6X), 22.7, 22.32 (oxygen bomb test), 22.46, 22.57; Annex J</p> <p>(Note: The above standards should be used in conjunction with the product test standards as detailed in relevant Part 2 of IEC 60335.)</p>

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Electrical and Electronic Products 電氣及電子產品		
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<p>Household and similar electrical appliances (cont'd)</p> <p>- Warming plate and similar appliance</p>	<p>Safety tests :-</p> <p>- Compliance inspection and safety tests</p>	<p>BS EN 60335-2-12: 2003 + A1: 2008 EN 60335-2-12: 2003 + A1: 2008 < <i>Excluding the following</i> > for the above two standards Clauses 8.1.4 (discharge measurement), 15.1, 19.11.3, 19.11.4 22.1 (tests for IP5X, IP6X), 22.7, 22.32 (oxygen bomb test), 22.46, 32 (EMF measurement); Annex J</p> <p>IEC 60335-2-12: 2002 + A1: 2008 + A2: 2017 < <i>Excluding the following</i> > Clauses 8.1.4 (discharge measurement), 15.1, 19.11.3, 19.11.4 22.1 (tests for IP5X, IP6X), 22.7, 22.32 (oxygen bomb test), 22.46, 22.57; Annex J</p>

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Environmental Testing 環境測試

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<p>Indoor Air Quality Testing</p> <p>Collectate sampled by</p> <ol style="list-style-type: none"> 1. two-stage Andersen sampler, 2. single-stage N6 Andersen sampler 3. single-stage Oxoid sampler 4. Quick Take 30 Bio Stage pump kit <p>Collectate sampled by Reuter Centrifugal Sampler (RCS)</p> <p>Collectate sample on agar plate</p> <p>Collectate sample on agar strip</p>	<p>Extractable components collected in passive samplers:-</p> <ul style="list-style-type: none"> - Formaldehyde - Nitrogen dioxide <p>Extractable components collected in active samplers:-</p> <ul style="list-style-type: none"> - Formaldehyde <p>Microbiological tests:-</p> <p>Airborne bacteria count (number of colonies and corrected number of colonies on agar plate) (35°C for 2 days) or (30°C for 2 days)</p> <p>Airborne bacteria count (number of colonies on agar strip) (35°C for 2 days) or (30°C for 2 days)</p> <p>Airborne bacteria count (number of colonies on agar plate) (35°C for 2 days) or (30°C for 2 days)</p> <p>Airborne bacteria count (number of colonies on agar strip) (35°C for 2 days) or (30°C for 2 days)</p>	<p>In-house method TG-ENV-WW-48 (HPLC-DAD)</p> <p>In-house method TG-ENV-WW-47 (FIA)</p> <p>In-house method TG-ENV-WW-104 (HPLC-PDA)</p> <p>In-house method TG-FP-MB-033</p> <p>In-house method TG-FP-MB-033</p> <p>In-house method TG-FP-MB-033</p> <p>In-house method TG-FP-MB-033</p>

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Water and Wastewater	Physical Examination:- - Colour - Hardness - pH - Total Suspended Solids dried at 103-105°C - Total Solids dried at 103-105°C - Total Volatile Solids ignited at 550°C - Turbidity - Conductivity Non-metallic constituents:- - Chloride - Chlorine (Free Residual) - Chlorine (Total Residual) - Dissolved oxygen - Phosphorus (Total) - Phosphorus (Dissolved & Reactive) - Nitrogen (Ammonia) - Nitrogen (Nitrite) - Nitrogen (Nitrate) - Total oxidised nitrogen - Nitrogen (Total Kjeldahl)	APHA 23e 2120B APHA 23e 2340 C APHA 23e 4500-H ⁺ B APHA 23e 2540 D APHA 23e 2540 B APHA 23e 2540 E APHA 23e 2130 B APHA 23e 2510 B APHA 23e 4500-Cl ⁻ B APHA 23e 4500-Cl G APHA 23e 4500-Cl B APHA 23e 4500-Cl G APHA 23 e 4500-O G ASTM D515-88 APHA 23e 4500-P E APHA 23e 4500-NH ₃ H (FIA) APHA 23e 4500-NO ₃ ⁻ I (FIA) APHA 23e 4500-NO ₃ ⁻ I (Calculation) APHA 23e 4500-NO ₃ ⁻ I (FIA) APHA 23e 4500-N _{org} D (FIA)

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Water and Wastewater (cont'd)	Non-metallic constituents:- (cont'd) - Nitrogen (Total) (Total Kjeldahl + Nitrate + Nitrite) - Nitrogen (Organic) (Total Kjeldahl – Ammonia) - Nitrogen (Nitrate + Nitrite + Ammonia) - Sulphate - Total Sulphide - Dissolved Sulphide (Soluble Sulphide) Organic Pollutants:- - Oil & Grease - Chemical Oxygen Demand - Biochemical Oxygen Demand (5-day)	In-house method TG-ENV-WW-44 (by calculation) in conjunction with APHA 23e 4500-N _{org} D (FIA) and APHA 23e 4500-NO ₃ ⁻ I (FIA) In-house method TG-ENV-WW-45 (by calculation) in conjunction with APHA 23e 4500-N _{org} D (FIA) and APHA 23e 4500-NH ₃ H (FIA) In-house method TG-ENV-WW-46 (by calculation) in conjunction with APHA 23e 4500-NH ₃ H (FIA) and APHA 23e 4500- NO ₃ ⁻ I (FIA) APHA 23e 4500-SO ₄ ²⁻ E APHA 23e 4500S ² -D APHA 23e 4500S ² -B, D APHA 23e 5520 B APHA 23e 5220 B (Open reflux) APHA 23e 5220 D (Closed reflux) BS 6068: Section 2.63: 1998 BS EN 1899-1: 1998 APHA 23e 5210 B

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Water and Wastewater (cont'd)	<p>Organic Pollutants:-</p> <ul style="list-style-type: none"> - Haloacetic acids Bromoacetic acid, chloroacetic acid, dibromoacetic acid, dichloroacetic acid, trichloroacetic acid - Phenols 2-Chlorophenol, 2,4-Dichlorophenol, p-chloro-m-cresol, 2,4,6- trichlorophenol - Pentachlorophenol - Volatiles Organic Compounds Chloroform, bromodichloromethane, benzene, ethylbenzene, methyl tert butyl ether, styrene, toluene, xylenes (sum of m, o, p-), tetrachloroethylene, trichloroethylene, chlorobenzene, 1,4-dichlorobenzene, dibromochloromethane, acetone, methylene chloride and 2-butanone - Total petroleum hydrocarbons: C6 - C8 C9 - C16 C17 - C35 	<p>In-house method TG-ENV-WW-79 (by GC-ECD)</p> <p>In-house method TG-ENV-WW-80 (by GC-MSD)</p> <p>In house method TG-ENV-WW-84 (by GC-MSD)</p> <p>In-house method TG-ENV-WW-78 (by Headspace GC-MSD)</p> <p>In house method TG-ENV-WW-82 (by Headspace GC-MSD)</p> <p>In house method TG-ENV-WW-83 (by GC-FID)</p>

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Water and Wastewater (cont'd)	Organic Pollutants:- (cont'd) - Organochlorine Pesticides: Hexachlorobenzene Hexachlorocyclopentadiene Hexachloethane 1,2,4-trichlorobenzene alpha-BHC beta-BHC gamma-BHC Bis(2-chloroethoxy)-methane	In-house Method TG-ENV-WW-86 (by GC-MSD)
Water	Trace Metals (recoverable):- - Antimony, Barium, Cobalt, Molybdenum, Tin - Aluminium Arsenic, Cadmium, Chromium, Copper, Lead, Manganese, Mercury, Nickel, Zinc, Iron, Magnesium Trace Metals (total recoverable):- - Lead, Cadmium, Chromium, Nickel, Aluminium, Antimony, Arsenic, Copper, Iron , Manganese, Mercury & Zinc	In house method TG-ENV-WW-76 (by ICP-OES) In house method TG-ENV-WW-76 (by ICP-MS) In-house method TG-ENV-WW-69 (by ICP-MS)

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Saline water	Physical examination:- - Total Suspended Solids dried at 103-105°C	APHA 23e 2540D
Seawater	- Turbidity	APHA 23e 2130 B
Saline water	Non-metallic Constituents:- - Dissolved oxygen	APHA 23 e 4500-O G
Sewage sludge	Physical examination:- - Total Solids dried at 103°C-105°C - Total Volatile Solids ignited at 550°C	APHA 23e 2540 G APHA 23e 2540 G
Sediment and Soil	Trace Metals (total recoverable):- Aluminium, Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Manganese, Magnesium, Mercury, Molybdenum, Nickel, Tin, Zinc	In house method TG-ENV-WW-77 (by ICP-MS)

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Water and Wastewater	Microbiological tests:- - Heterotrophic plate count - Colony count by pour-plate method - Total Coliform count - Faecal Coliform count - <i>E. coli</i> count	APHA 23e 9215 B (Pour Plate Method) DoE(1983) The Bacteriological Examination of Drinking Water Supplies, 1982 Section 7.12.3 (Pour Plate 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 DoE(1983) The Bacteriological Examination of Drinking Water Supplies, 1982 Membrane Filtration Procedure: Sections 7.8 and 7.9.4.2 Bacterial Confirmation: Section 7.7.6.3 DoE (1983) The Bacteriological Examination of Drinking Water Supplies, 1982 Membrane Filtration Procedure: Sections 7.8, & 7.9.4.2 Bacterial Confirmation: in situ urease test DoE (1983) The Bacteriological Examination of Drinking Water Supplies, 1982 Membrane Filtration Procedure: Sections 7.8 & 7.9.4.2 Bacterial Confirmation: Section 7.9.4.4
Marine water	- Enumeration of <i>E. coli</i>	Environmental Microbiology Laboratory Test Method Manual TM09/EC/10/098 Issue 3, Environmental Protection Department, HK

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Water, Wastewater and Cooling tower water	Microbiological tests:- <i>Legionellae</i> count including <i>Legionella pneumophila</i> count	AS/NZS 3896: 2008 AS 3896: 2017 <Excluding the following> Sampling and transport in Cl. 7
Drinking Water, Treated Bathing Water, Water for human use and consumption	<i>Legionellae</i> count including <i>Legionella pneumophila</i> count	ISO 11731-2:2004 BS EN ISO 11731-2:2008 BS 6068-4.18:2004
Potable water and Process water	<i>Legionellae</i> count	ISO 11731: 2017 <Excluding the following> Cl. 8.4.2, Sampling and transport in Cl. 7

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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
Food containers (ceramicware)	Toxicological tests :- - Leachable lead and cadmium	ISO 6486-2: 1999 <i>Test procedure for compliance testing:-</i> ISO 6486-1: 1999 US FDA Compliance Policy Guides 7117.06 (1995)& 7117.07 (1995) <i>Test procedures for compliance testing:-</i> AOAC Official Methods 973.32 (2005) AOAC Official Methods 973.82 (2005) ASTM C738-94 (Reapproved 2016) 84/500/EEC Annex I, II with Amd. 2005/31/EC UK The Ceramic Ware (Safety) Regulation 1988, S.I. 1647:- <i>Test procedure for compliance testing:-</i> BS 6748: 1986 + A1: 2011 EN 1388 Part 1: 1995 DIN EN 1388 Part 1: 1995 BS EN 1388 Part 1: 1996
Food containers (glassware, glass ceramic ware & vitreous enamel ware)		EN 1388 Part 2: 1995 DIN EN 1388 Part 2: 1995 BS EN 1388 Part 2: 1996 BS 6748: 1986 + A1: 2011
Plastic products intended to come into direct contact with food	- Overall migration in aqueous solvent 10% ethanol, simulant A 3% acetic acid, simulant B 20% ethanol, simulant C 50% ethanol, simulant D1	Commission Regulation (EU) no. 10/2011, Article 12, paragraph 4 of Article 18, Annex III, and Chapter 3 (<i>excluding</i> paragraph 3.4, OM5 & OM6 of paragraph 3.1) of Annex V <i>Test procedures for compliance testing:-</i> EN 1186-3: 2002, Method A (immersion method) EN 1186-5: 2002 (cell method) (with modification) EN 1186-9: 2002 (article filling method)

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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 :- (cont'd)	
Food containers (synthetic resins, PVC, PE, PS, PVDC, PET and PP)	- Lead, cadmium - Heavy metals as lead	Japan Food Sanitation Law, Ministry of Health and Welfare Notification No. 370, 28 Nov 1959, Notification No. 201, 31 Mar 2006 and Notice No. 41611 Aug 2008, Part III – Implements, Containers and Packaging <i>Test procedures for compliance testing:-</i> Specification, Standards and Testing Methods for Foodstuffs, Implements, Containers and Packaging, Toys, Detergents 2008 - Part II (English version published by JETRO, January 2009) Section D2 (1) item a Section B4, B10 & D2 (1) b (i)
Food containers (synthetic resins, PVC, PE, PS, PVDC, PET and PP) <Excluding the following> Phenol resin, melamine resin and urea resin	- Consumption of potassium permanganate	Section B1, B10 & D2 (1) b (ii)
Food containers (PVDC)	- Barium	Section D2 (2) item f
Food containers: - Synthetic resins PVC PE & PP PS PVDC PET	- Evaporation residues	Section B5, B10 & D2 (2) a (i) <3> & D2 (2) b (i) <2> Section B5, B10 & D2 (2) c (i) <3> Section B5, B10 & D2 (2) d (i) Section B5, B10 & D2 (2) e (ii) Section B5, B10 & D2 (2) f (ii) Section B5, B10 & D2 (2) g (i) <3>

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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
Milk	Chemical analysis:- Ash content Fat content	AOAC Official Methods 945.46 (2005) AOAC Official Methods 989.05 (2005)
Milk powder	Ash content Fat content	AOAC Official Methods 930.30 (2005) AOAC Official Methods 932.06 (2005) Cl. A(b) & Cl. B
General foodstuff	Preservatives:- - Sulphur dioxide	In-house method TG-FP-112 (By lead acetate paper, titrimetric and gravimetric methods)
General foodstuff	- Boric acid	In-house method TG-FP-125 (by ICP-OES)
Meat and dairy product	- Nitrite and nitrate	In-house method TG-FP-127 (by FIA)
General foodstuff	- Benzoic acid - Sorbic acid - Salicylic acid - Methyl para-hydroxybenzoate - Ethyl para-hydroxybenzoate, - Propyl para-hydroxybenzoate	In-house method TG-FP-188 (by LC-DAD)
Bread and flour confectionary	- Propionic acid	In-house method TG-FP-189 (by GC-FID)

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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
Meat, Seafood, Milk & Honey	Chemical analysis:- (cont'd) Veterinary Drug Residues:- - Chloramphenicol	In house method TG-FP-121 (By LC-MS-MS)
General foodstuff	Metals:- - Arsenic, Cadmium, Lead, Mercury, Tin, Antimony, Chromium, Copper, Cobalt	In-house method TG-FP-129 (By ICP-MS)
Aquatic products, Fish, fish feed, rice, shellfish and seaweed	- Inorganic Arsenic	In House method TG-FP-234 (by LC-ICPMS)
Fish	- Methyl Mercury	In House method TG-FP-237 (by LC-ICPMS)

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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
Soy and soy derived food stuff (except liquid, oil)	<p>Qualitative screening of transgenic traits using partial sequence of :-</p> <ul style="list-style-type: none"> - Cauliflower mosaic virus promoter (CaMV35S) - Terminator of nopaline synthase gene from <i>Agrobacterium tumefaciens</i> (NOS) - The junction between the 35S promoter and the chloroplast transit peptide (CTP) sequence derived from the <i>Petunia hybrida</i> 5-enolpyruvylshikimate 3-phosphate synthase (EPSPS) gene (Roundup Ready) <p>Qualitative screening of transgenic traits using partial sequence of :-</p> <ul style="list-style-type: none"> - Terminator of nopaline synthase gene from <i>Agrobacterium tumefaciens</i> (NOS) - Soy lectin gene, <i>le</i> 1 - Cauliflower mosaic virus promoter (CaMV35S) - The junction between the 35S promoter and the chloroplast transit peptide (CTP) sequence derived from the <i>Petunia hybrida</i> 5-enolpyruvylshikimate 3-phosphate synthase (EPSPS) gene (Roundup Ready) 	<p>ISO 21571: 2005 (Nucleic acid extraction)</p> <p>ISO 21569: 2005 and JRC Compendium of Reference Methods for GMO Analysis (QL-ELE-00-006) (Polymerase chain reaction with gel image analysis)</p> <p>ISO 21571: 2005 (Nucleic acid extraction)</p> <p>ISO 21569: 2005/Amd. 1: 2013 (Real-time polymerase chain reaction)</p> <p>ISO 21570: 2005 (Real-time polymerase chain reaction)</p>

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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
Maize and maize derived food stuff (except liquid, oil)	Qualitative screening of transgenic traits using partial sequence of :- - Cauliflower mosaic virus promoter (CaMV35S) - Terminator of nopaline synthase gene from <i>Agrobacterium tumefaciens</i> (NOS) - CryIA(b) gene from <i>Bacillus thuringiensis</i> (Bt 176)	ISO 21571: 2005 (Nucleic acid extraction) ISO 21569: 2005 and JRC Compendium of Reference Methods for GMO Analysis (QL-ELE-00-006) (Polymerase chain reaction with gel image analysis)
	Qualitative screening of transgenic traits using partial sequence of :- - Terminator of nopaline synthase gene from <i>Agrobacterium tumefaciens</i> (NOS) - Maize starch synthase IIb gene: <i>zSSIb</i> - Cauliflower mosaic virus promoter (CaMV35S) - CryIA(b) gene from <i>Bacillus thuringiensis</i> (Bt 176)	ISO 21571: 2005 (Nucleic acid extraction) ISO 21569: 2005/Amd. 1: 2013 (Real-time polymerase chain reaction) ISO 21570: 2005 (Real-time polymerase chain reaction)
Papaya	Qualitative screening of transgenic papaya line 55-1 and 63-1 using partial sequence of :- - Cauliflower mosaic virus promoter (CaMV35S) - Terminator of nopaline synthase gene from <i>Agrobacterium tumefaciens</i> (NOS) - Papaya ring spot virus coat protein (PRSV-CP) gene	ISO 21571: 2005 (Nucleic acid extraction) ISO 21569: 2005 ISO 21569: 2005/Amd. 1: 2013 and JRC Compendium of Reference Methods for GMO Analysis (QL-ELE-00-006) (Polymerase chain reaction with gel image analysis)
	Qualitative screening of transgenic papaya line 55-1 and 63-1 using partial sequence of :- - Cauliflower mosaic virus promoter (CaMV35S) - Terminator of nopaline synthase gene from <i>Agrobacterium tumefaciens</i> (NOS) - The junction between chimeric cucumber Mosaic (CMV) coat protein /Papaya ring spot virus coat protein (PRSV-CP) gene	ISO 21571: 2005 (Nucleic acid extraction) ISO 21570: 2005 (Real-time polymerase chain reaction) ISO 21569: 2005/Amd. 1: 2013 (Real-time polymerase chain reaction)

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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
General foodstuff	Microbiological tests:-	
	- Aerobic plate count	US FDA Bacteriological Analytical Manual (BAM) Online (Jan. 2001) Ch. 3 (Conventional Plate Count Method)
	- Coliform count	AOAC Official Methods 991.14 (2005)
	- <i>E. coli</i> count	AOAC Official Methods 991.14 (2005)
	- <i>Salmonella</i>	US FDA Bacteriological Analytical Manual (BAM) Online (Feb 2014) Ch. 5
Water	- <i>Staphylococcus aureus</i>	US FDA Bacteriological Analytical Manual (BAM) Online (Jan. 2001) Ch. 12 (Direct Plate Count Method)
	- Heterotrophic plate count	APHA 23e 9215B (Pour Plate Method)
	- 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
	- Faecal Coliform count	DoE(1983) The Bacteriological Examination of Drinking Water Supplies, 1982 Membrane Filtration Procedure: Sections 7.8 and 7.9.4.2 Bacterial Confirmation: Section 7.7.6.3
	- <i>E. coli</i> count	DoE (1983) The Bacteriological Examination of Drinking Water Supplies, 1982 Membrane Filtration Procedure: Sections 7.8 and 7.9.4.2 Bacterial Confirmation: Section 7.9.4.4

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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	Microbiological examinations:- Tests for microbial contamination: - Total Viable Aerobic Count - Tests for Specified Microorganisms	The SCCS's Notes of Guidance for the Testing of Cosmetics Ingredients and Their Safety Evaluation (8 th Revision, December 2012) - Guidelines on Microbiological Quality of the Finished Cosmetic Product, 4-4.2 <i>Test Procedures for compliance testing:</i> - The United States Pharmacopeia 43-NF38 (2020), General Ch. <61> - British Pharmacopoeia (2021), App. XVI B-2 - European Pharmacopoeia 10 th edition (2019), Ch. 2.6.12 - The United States Pharmacopeia 43-NF38 (2020), General Chapter <62> - British Pharmacopoeia (2021), App. XVI B-1 - European Pharmacopoeia 10 th edition (2019), Ch. 2.6.13
Disposable Sanitary Products	- 細菌菌落總數 Total Bacteria Count - 大腸菌群 Coliform - 綠膿桿菌 <i>Pseudomonas Aeruginosa</i> - 金黃色葡萄球菌 <i>Staphylococcus aureus</i> - 溶血性鏈球菌 <i>Haemolyticus streptococcus</i> - 真菌菌落總數 Fungi Count	GB 15979-2002 中華人民共和國國家標準： 一次性使用衛生用品衛生標準(附錄 B 產品微生物檢測方法) GB 15979-2002 Hygienic standard for disposable sanitary products (Appendix B)
Toilet tissue	- 細菌菌落總數 Total Bacteria Count - 大腸菌群 Coliform - 金黃色葡萄球菌 <i>Staphylococcus aureus</i> - 溶血性鏈球菌 <i>Haemolyticus streptococcus</i>	GB 20810-2018 中華人民共和國國家標準： 衛生紙(含衛生紙原紙)(附錄 C 微生物指標的測定) GB 20810-2018 Toilet tissue paper (including toilet tissue base paper) (Appendix C)
Hand Towel	- 細菌菌落總數 Total Bacteria Count - 大腸菌群 Coliform - 金黃色葡萄球菌 <i>Staphylococcus aureus</i> - 溶血性鏈球菌 <i>Haemolyticus streptococcus</i>	GB/T 24455-2009 中華人民共和國國家標準： 擦手紙(附錄 A 微生物指標的測定) GB/T 24455-2009 Hand Towel (Appendix A)

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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
Non-sterile pharmaceutical preparations and substances for pharmaceutical use	Microbiological examinations:- Microbiological quality: - Microbial enumeration tests - Test for specified microorganisms Bile-tolerant Gram-negative Bacteria <i>Clostridia</i> <i>Escherichia coli</i> <i>Pseudomonas aeruginosa</i> <i>Salmonella</i> spp. <i>Staphylococcus aureus</i> <i>Candida albicans</i>	European Pharmacopoeia 10 th edition (2019) Ch. 5.1.4 <i>Test Procedure for compliance testing:</i> European Pharmacopoeia 10 th edition (2019) Ch. 2.6.12 European Pharmacopoeia 10 th edition (2019) Ch. 2.6.13
Non-sterile pharmaceutical preparations and substances for pharmaceutical use	Microbiological quality: - Microbial enumeration tests - Test for specified microorganisms Bile-tolerant Gram-negative Bacteria <i>Clostridia</i> <i>Escherichia coli</i> <i>Pseudomonas aeruginosa</i> <i>Salmonella</i> spp <i>Staphylococcus aureus</i> <i>Candida albicans</i>	British Pharmacopoeia (2021), App. XVI D <i>Test Procedure for compliance testing:</i> British Pharmacopoeia (2021), App. XVI B-2 British Pharmacopoeia (2021), App. XVI B-1
Nonsterile pharmaceutical preparations and substances for pharmaceutical use	Microbiological acceptance criteria - Microbial Enumeration Tests - Tests for Specified Microorganisms Bile-tolerant Gram-negative Bacteria <i>Clostridia</i> <i>Escherichia coli</i> <i>Pseudomonas aeruginosa</i> <i>Salmonella</i> spp. <i>Staphylococcus aureus</i> <i>Candida albicans</i>	The United States Pharmacopoeia 43-NF38 (2020), General Ch. <1111> <i>Test Procedure for compliance testing:</i> The United States Pharmacopoeia 43-NF38 (2020), General Ch. <61> The United States Pharmacopoeia 43-NF38 (2020), General Ch. <62>

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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
非無菌藥品	Microbiological examination : 非無菌產品微生物限度檢查: Microbiological Examination of Nonsterile products :- - 控制菌檢查法 - Test for specified microorganisms 耐膽鹽革蘭陰性菌 Bile-tolerant Gram negative bacteria 梭菌 <i>Clostridium</i> 大腸埃希菌 <i>Escherichia coli</i> 銅綠假單胞菌 <i>Pseudomonas aeruginosa</i> 沙門菌 <i>Salmonella</i> spp. 金黃色葡萄球菌 <i>Staphylococcus aureus</i> 白色念珠菌 <i>Candida albicans</i> - 微生物計數法 - Microbial enumeration tests 非無菌產品微生物限度檢查: Microbiological Examination of Nonsterile products :- - 控制菌檢查法 - Test for specified microorganisms 耐膽鹽革蘭陰性菌 Bile-tolerant Gram negative bacteria 梭菌 <i>Clostridium</i> 大腸埃希菌 <i>Escherichia coli</i> 銅綠假單胞菌 <i>Pseudomonas aeruginosa</i> 沙門菌 <i>Salmonella</i> spp. 金黃色葡萄球菌 <i>Staphylococcus aureus</i> 白色念珠菌 <i>Candida albicans</i> - 微生物計數法 - Microbial enumeration tests	中華人民共和國藥典 2015 年版四部 1107 段: 非無菌藥品微生物限度標準 <不包括> 點 1 & 點 2 Pharmacopoeia of the People's Republic of China 2015, Volume IV, Part 1107 <Excluding the following> cl. 1 & 2 <i>Test Procedure for compliance testing:</i> 中華人民共和國藥典 2015 年版四部 1106 段 Pharmacopoeia of the People's Republic of China 2015, Volume IV, Part 1106 中華人民共和國藥典 2015 年版四部 1105 段 Pharmacopoeia of the People's Republic of Volume IV, Part 1105 中華人民共和國藥典 2020 年版四部 1107 段: 非無菌藥品微生物限度標準 <不包括> 點 1 & 點 2 Pharmacopoeia of the People's Republic of China 2020, Volume IV, Part 1107 <Excluding the following> cl. 1 & 2 <i>Test Procedure for compliance testing:</i> 中華人民共和國藥典 2020 年版四部 1106 段 Pharmacopoeia of the People's Republic of China 2020, Volume IV, Part 1106 中華人民共和國藥典 2020 年版四部 1105 段 Pharmacopoeia of the People's Republic of China 2020, Volume IV, Part 1105

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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
Purified water	Microbiological examination : Total aerobic microbial count	British Pharmacopoeia (2021), Volume II, Purified Water British Pharmacopoeia (2023), Volume II, Purified Water
純化水 Purified water	需氧菌總數 Total aerobic microbial count	中華人民共和國藥典 2020 年版二部純化水 Pharmacopoeia of the People's Republic of China 2020, Volume II, Purified Water

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Physical and Mechanical Testing 物理及機械測試

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
Glass and glass product - Glass container with base dimension not exceeding 137 mm and height up to 550 mm - Glass container in contact with foodstuffs with height up to 500 mm	Performance tests :- - Optical retardation - Thermal shock	ASTM C148-17 < <i>Excluding the following</i> > Cl. 5; Determination of apparent temper number 6 and 7 using a polariscope BS EN 1183: 1997 Method B (for thermal shock endurance up to 160°C)
Other product - Fluid and gas lighter	Safety and performance tests	BS EN ISO 9994: 2006 + A1: 2008 EN ISO 9994: 2006 + A1: 2008 ISO 9994: 2005/Amd 1: 2008 BS EN ISO 9994: 2019 EN ISO 9994: 2019 ISO 9994: 2018 < <i>Excluding the following</i> > for the above three standards 6.7.4.10; 6.10.4.3, 6.10.4.4
- Writing and marking instruments likely to be used by children up to age of 14 - 書寫用具	Safety tests for safety caps 筆帽安全測試 Safety tests for end closures	BS 7272-1: 2008 BS 7272-2: 2008 + A1: 2014

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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
Specific product - Children's clothing	Construction tests :- - Measurement of cord and drawn string	BS EN 14682: 2014

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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
<p>General Textiles and Garments</p> <p>Specific product</p> <p>- Bed cover and pillow</p> <p>- Mattress, divan and bed base</p> <p>- Textile floor covering</p>	<p>Flammability tests :-</p> <p>- 45° angle test</p> <p>- Ignitability by smouldering and flaming ignition source</p> <p>- Resistance to ignition</p> <p>- Hot metal nut method</p> <p>- Assessment and labelling</p>	<p>US 16 CFR Part 1610</p> <p>BS EN ISO 12952-1: 2010</p> <p>BS 7177: 2008 + A1: 2011 BS 7177: 1996 (Low hazard to high hazard) BS 7177: 1996 with Amendment No. 1 (Low hazard to high hazard)</p> <p>BS EN 597-1: 1995 BS EN 597-2: 1995 BS 6807: 1996 Section 2: sources 2 to 7 BS 6807: 2006</p> <p>< <i>Excluding the following</i> > Cl. 10</p> <p>BS 4790: 1987 with Amendment No. 1 and 2</p> <p>BS 5287: 1988</p>

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Textiles and Garments 紡織品及成衣

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<p>Specific product (cont'd)</p> <ul style="list-style-type: none"> - Upholstered composite for seating including: - Polyurethane foam in slab or cushion form - Polyurethane foam in crumb form - Latex rubber foam - Non-foam filling materials singly - Composite filling for furniture other than mattress, bed-base, cushion and pillow - Composite filling for pillow and cushion with primary cover - Composite filling of mattress and bed-base - Interliner - Visible part of upholstery - Non-visible part of upholstery 	<p>Flammability tests :-</p> <ul style="list-style-type: none"> - Ignitability by smouldering and flaming ignition source 	<p>The Furniture and Furnishings (Fire) (Safety) Regulations 1988 (Statutory Instrument 1988 No. 1324) with Amendments issued in 1989 (Statutory Instrument 1989 No. 2358), 1993 (Statutory Instrument 1993 No. 207) and 2010 (Statutory Instrument 2010 No. 2205)</p> <p>Schedule 1 Part I using test method BS 5852: Part 2: 1982 (Ignition Source 5)</p> <p>Schedule 1 Part II using test method BS 5852: Part 2: 1982 (Ignition Source 2)</p> <p>Schedule 1 Part III using test method BS 5852: Part 2: 1982 (Ignition Source 2)</p> <p>Schedule 2 Part I using test method BS 5852: Part 2: 1982 (Ignition Source 2)</p> <p>Schedule 2 Part II using test method BS 5852: Part 2: 1982 (Ignition Source 2)</p> <p>Schedule 2 Part III using test method BS 5852: Part 2: 1982 (Ignition Source 2)</p> <p>Schedule 2 Part IV using test method BS 5852: Part 2: 1982 (Ignition Source 2) BS 6807: 1986 Section 4</p> <p>Schedule 3 using test method BS 5852: Part 2: 1982 (Ignition Source 5)</p> <p>Schedule 4 Part I using test method BS 5852: Part 1: 1979 (Cigarette test)</p> <p>Schedule 4 Part II using test method BS 5852: Part 1: 1979 (Cigarette test)</p>

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<p>Specific products (cont'd)</p> <ul style="list-style-type: none"> - Upholstered composite for seating including: (cont'd) - Visible cover - Stretch cover - Non-visible cover 	<p>Flammability tests :-</p> <ul style="list-style-type: none"> - Ignitability by smouldering and flaming ignition source (cont'd) 	<p>The Furniture and Furnishings (Fire) (Safety) Regulations 1988 (Statutory Instrument 1988 No. 1324) with Amendments issued in 1989 (Statutory Instrument 1989 No. 2358), 1993 (Statutory Instrument 1993 No. 207) and 2010 (Statutory Instrument 2010 No. 2205)</p> <p>Schedule 5 Part I using test method BS 5852: Part 1: 1979 (Ignition Source 1)</p> <p>Schedule 5 Part II using test method BS 5852: Part 1: 1979 (Ignition Source 1)</p> <p>Schedule 5 Part III using test method BS 5852: Part 1: 1979 (Ignition Source 1)</p>

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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
Toys – paint and similar surface-coating materials	Chemical tests :- - Total lead content - Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium - Screening of total element content	ASTM F963-17 Cl. 4.3.5.1 (1) <i>Test procedures for compliance testing:-</i> 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 ASTM F963-17 Cl. 4.3.5.1 (2) <i>Test procedures for compliance testing:-</i> ASTM F963-17 Cl. 8.3.2 – 8.3.4 ASTM F963-17 Cl. 4.3.5.1 and 8.3.1 <i>Test procedure for compliance testing:-</i> In-house method TG-T&M-C-002 SOP 6 (ICP-OES)
Toys – substrate materials (excluding children's jewelry)	- Total lead content - Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium	ASTM F963-17 Cl. 4.3.5.2 (2)(a) <i>Test procedures for compliance testing:</i> CPSC Test Method: CPSC-CH-E1001-08.3 Standard Operating Procedure for Determining Total Lead (Pb) in Metal Children's 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 ASTM F963-17 Cl. 4.3.5.2 (2) (b) <i>Test procedures for compliance testing:-</i> ASTM F963-17 Cl. 8.3.5

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<p>Toys – substrate materials (excluding children's jewelry) (cont'd)</p> <p>Metallic toys or metallic toy components (excluding children's jewelry)</p>	<p>Chemical tests :-</p> <p>- Total element content</p> <p>- Extractable Cadmium</p>	<p>ASTM F963-17 Cl. 4.3.5.2 (2) and 8.3.1 <i>Test procedures for compliance testing:</i> In-house method TG-T&M-C-002 SOP 7 & 8 (ICP-OES)</p> <p>ASTM F963-17 Cl. 4.3.5.2 (2)(c) <i>Test procedures for compliance testing:</i> 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</p>

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Toys and other articles intended for use by children – paint and other similar surface-coating materials	Chemical tests :- - Total lead content	US Public Law 110 -314 Consumer Product Safety Improvement Act 2008 US 16 CFR Part 1303 <i>Test procedures for compliance testing:-</i> CPSC Test method: CPSC-CH-E1003-09.1 Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings, 25 February 2011
Children's metal products	- Total lead content	US Public Law 110 -314 Consumer Product Safety Improvement Act 2008 <i>Test procedure for compliance testing:</i> CPSC Test Method: CPSC-CH-E1001-08.3 Standard Operating Procedure for Determining Total Lead (Pb) in Metal Children's Products (including Children's Metal Jewelry), 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 <i>Test procedures for compliance testing:</i> 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

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Toys – surface coating material	Chemical tests :- - Total lead content - Total mercury content - Leachable arsenic, selenium, cadmium, antimony and barium	Canada Toys Regulations SOR/2011-17 Section 23 (amended to SOR/2016-195) <i>Test procedure for compliance testing:</i> Health Canada Product Safety Reference manual Book 5 – Laboratory Policies and Procedures Part B: Test Methods Section, Method C-02.2 (2013-10-16): Determination of Total Lead in Surface Coating Materials in Consumer Products <i>Test procedure for compliance testing:</i> In-house method TG-T&M-C-022 SOP 4 (ICP-MS) <i>Test procedure for compliance testing:</i> Health Canada Product Safety Reference manual Book 5 – Laboratory Policies and Procedures Part B: Test Methods Section, Method C-03 (2014-02-20) (with modification using ICP-OES for instrumental analysis): Determination of Leachable Arsenic (As), Selenium (Se), Cadmium (Cd), Antimony (Sb) and Barium (Ba) in Applied Coatings

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Furniture and other articles for children – surface coating material	Chemical tests :- - Total lead content - Total lead content	Canada Surface Coating Materials Regulations (SOR/2005-109), Section 7.2 <i>Test procedure for compliance testing:</i> Health Canada Product Safety Reference manual Book 5 – Laboratory Policies and Procedures Part B: Test Methods Section, Method C-02.2 (2013-10-16): Determination of Total Lead in Surface Coating Materials in Consumer Products Canada Surface Coating Materials Regulations (SOR/2016-193), Section 6a <i>Test procedure for compliance testing:</i> Health Canada Product Safety Reference manual Book 5 – Laboratory Policies and Procedures Part B: Test Methods Section, Method C-02.2 (2013-10-16): Determination of Total Lead in Surface Coating Materials in Consumer Products
Pencils and artists' brushes - surface coating material	- Total lead content	Canada Surface Coating Materials Regulations (SOR/2005-109), Section 7.3 <i>Test procedure for compliance testing:</i> Health Canada Product Safety Reference manual Book 5 – Laboratory Policies and Procedures Part B: Test Methods Section, Method C-02.2 (2013-10-16): Determination of Total Lead in Surface Coating Materials in Consumer Products

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Pencils and artists' brushes - surface coating Material (cont'd)	Chemical tests :- - Total lead content	Canada Surface Coating Materials Regulations (SOR/2016-193), Section 6b <i>Test procedure for compliance testing:</i> Health Canada Product Safety Reference manual Book 5 – Laboratory Policies and Procedures Part B: Test Methods Section, Method C-02.2 (2013-10-16): Determination of Total Lead in Surface Coating Materials in Consumer Products
Surface coating material	- Total mercury content	Canada Surface Coating Materials Regulations (SOR/2005-109), Section 7 Canada Surface Coating Materials Regulations (SOR/2016-193), Section 5 <i>Test procedure for compliance testing:</i> In-house method TG-T&M-C-022 SOP 4 (ICP-MS)
All toys	- Migration of the elements antimony, arsenic, barium, cadmium, chromium, lead, mercury, selenium	AS/NZS ISO 8124.3: 2012 + Amdt 1: 2016 EN 71-3: 1994 + A1: 2000 + AC: 2002 MS ISO 8124-3: 2002 ISO 8124-3: 2020 (for dewaxing: Method A only)

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Toys 玩具	Chemical tests :- - Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium - 可遷移元素 鉛, 鎘, 汞, 鉻, 砷, 鋇, 錳, 鎘 - Benzyl Butyl Phthalate (BBP) - Dibutyl phthalate (DBP) - Bis (2-ethylhexyl) phthalate (DEHP) - Di-n-octyl phthalate (DNOP) - Di-isononyl phthalate (DINP) - Di-isodecyl phthalate (DIDP)	GB 6675.1-2014 Cl. 5.3.3 <i>Test procedure for compliance testing:</i> GB 6675.4-2014 GB 6675.1-2014 Cl. 5.3.7 <i>Test procedure for compliance testing:</i> GB/T 22048: 2015 Method A
Toys	- Cellulose nitrate/Celluloid	Canada Toys Regulations SOR/2011-17 Section 21 c.H-3, Schedule I Part I Item 7 <i>Test method for compliance testing:</i> In-house method TG-T&M-C-010 (by Sulphuric acid test, Molisch Test and FT-IR)
Coloured toys	- Colour fastness to perspiration and saliva	DIN 53160-1: 2010 DIN 53160-2: 2010
Textile products for toys	Formaldehyde (Free & hydrolyzed)	ISO 14184-1: 2011

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<p>All toys' materials</p> <p>Materials which are mainly composed of polyethylene, polyvinyl chloride (excluding parts on which paint coating is applied)</p> <p>Decalcomania, folder paper and rubber-made toys (excluding rubber pacifiers)</p> <p>Vinyl chloride resin coating</p> <p>The paint coating applied to the body or the components of the toys (excluding the printing ink used for paper containers) (including vinyl chloride resin coating)</p> <p>Textile products used for toys</p>	<p>Chemical tests :-</p> <p>- Colouring matters</p> <p>- Consumption of potassium permanganate</p> <p>- Residue on evaporation</p> <p>- Heavy metals</p> <p>- Arsenic</p> <p>- Cadmium (excluding materials mainly composed of polyethylene)</p> <p>- Heavy metals</p> <p>- Arsenic</p> <p>- Consumption of potassium permanganate</p> <p>- Residue on evaporation</p> <p>- Heavy metals: 8 elements (antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium)</p> <p>- Free formaldehyde</p>	<p>Japan Toy Safety Standard ST 2016 Third Edition (2019.12.3) Part 3 (based on English version provided by JTA)</p> <p>Cl. 1.1 <i>Test procedure for compliance testing:</i> Cl. 2.1</p> <p>Cl. 1.2 <i>Test procedures for compliance testing:</i> 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</p> <p>Cl. 1.3 <i>Test procedures for compliance testing:</i> Cl. 1.3.1 & Cl. 2.4 Cl. 1.3.1 & Cl. 2.5</p> <p>Cl. 1.4 <i>Test procedures for compliance testing:</i> Cl. 1.4.1 & Cl. 2.2 Cl. 1.4.1 & Cl. 2.3</p> <p>Cl. 1.5 <i>Test procedures for compliance testing:</i> Cl. 1.5.1 & Cl. 2.7 (1) ①, (2) & (3)</p> <p>Cl. 1.6 <i>Test procedures for compliance testing:</i> Cl. 1.6 (with modification) & Cl. 2.8 (with modification) < Excluding the following > Confirmation test by HPLC</p>

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<p>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.</p> <p>Synthetic resin mainly composed of polyvinyl chloride, polyurethane and rubber for which phthalate compound is used as raw material (including those used for paint coating)</p> <p>Metals used for toy (neither painted nor covered)</p>	<p>Chemical tests :-</p> <ul style="list-style-type: none"> - Colouring matters - Heavy metals: 8 elements (antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium) - Bis (2-ethylhexyl) phthalate (DEHP) - Dibutyl phthalate (DBP) - Butyl benzyl phthalate (BBP) - Di-isononyl phthalate (DINP) - Di-isodecyl phthalate (DIDP) - Di-n-octyl phthalate (DNOP) - Lead 	<p>Japan Toy Safety Standard ST 2016 Third Edition (2019.12.3) Part 3 (based on English version provided by JTA)</p> <p>Cl. 1.8 <i>Test procedures for compliance testing:</i> Cl. 2.1 Cl. 1.8.2 & Cl. 2.7 (1) ②, (2) & (3)</p> <p>Cl. 1.9 < <i>Excluding the following</i> > Cl. 1.9.3 <i>Test procedure for compliance testing:</i> Cl. 2.10 (with modifications) < <i>Excluding the following</i> > Characterization & content determination tests by C-FID</p> <p>Cl. 1.11 <i>Test procedures for compliance testing:</i> Cl. 2.12 & 2.7 (2) & (3)</p>

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<p>Decals</p> <p>Origami paper</p> <p>Coating film of toys</p> <p>Coating film coated by using Polyvinyl chloride</p> <p>Parts (excluding coating film) manufactured using materials mainly composed of polyvinyl chloride</p> <p>All designated toys with parts made from plasticized materials</p>	<p>Chemical tests :-</p> <p>- Heavy metals</p> <p>- Arsenic</p> <p>- Heavy metals</p> <p>- Arsenic</p> <p>- Cadmium, lead and arsenic</p> <p>- Potassium permanganate consumption</p> <p>- Evaporation of residue</p> <p>- Potassium permanganate consumption</p> <p>- Heavy metals</p> <p>- Cadmium</p> <p>- Evaporation of residue</p> <p>- Arsenic</p> <p>- Butyl benzyl phthalate (BBP)</p> <p>- Bis (2-ethylhexyl) phthalate (DEHP)</p> <p>- Dibutyl phthalate (DBP)</p>	<p>Specifications and Standards for Foods, Food Additives, etc. under the Food Sanitation Act (ABSTRACTS) 2010, JETRO April 2011, Part V "TOYS"</p> <p><i>Test procedure for compliance testing:-</i></p> <p>Specifications, Standards and Testing Methods for Foodstuffs, Implements, Containers and Packaging, Toys, Detergents, JETRO January 2009 (following the tentative English translation published by JETRO in January 2009 and Amd. by MHLW Notification No. 336, September 6, 2010)</p> <p>Part III A-1 & Part II B-4</p> <p>Part III A-1 & Part II B-7</p> <p>Part III A-2 & Part III A-1 (2)a & Part II B-4</p> <p>Part III A-2 & Part III A-1 (2)b & Part II B-7</p> <p>Part III A-4 & Part II B-3</p> <p>Part III A-4 & Part II B-9</p> <p>Part III A-5 & Part II B-1</p> <p>Part III A-5 & Part II B-5</p> <p>Part III A-6 & Part III A-5(2)a & Part II B-1</p> <p>Part III A-6 & Part III A-1(2)a & Part II B-4</p> <p>Part III A-6 & Part II B-3</p> <p>Part III A-6 & Part II B-9</p> <p>Part III A-6 & Part III A-5(2)b & Part II B-5</p> <p>Part III A-6 & Part III A-1(2)b & Part II B-7</p> <p>Part III A-7</p> <p><i>Test procedures for compliance testing:</i></p> <p>ST2016 Second Edition (2018.5.30), Part 3, Cl. 2.10 (with modifications) (for PVC, rubber and PU)</p> <p><Excluding the following></p> <p>Characterization & content determination tests by GC-FID</p> <p>CPSC Test Method: CPSC-CH-C1001-09.3</p> <p>Standard Operating Procedure for Determination of Phthalates, 1 April 2010 (for any other plasticized materials)</p>

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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
<p>Parts of toys (other than those intended to come into direct contact with infant's mouth) made from synthetic resins which are mainly composed of polyvinyl chloride</p> <p>Parts made from plasticized materials that intended to come into direct contact with infant's mouth</p> <p>Parts (excluding coating film) manufactured using materials mainly composed of polyethylene</p> <p>Metal jewelry toys that might be swallowed by infants and small children</p> <p>Synthetic resin-based colouring agents used in the manufacture of toys</p>	<p>Chemical tests :-</p> <p>- Di-isobutyl phthalate (DIBP)</p> <p>- Di-isodecyl phthalate (DIDP)</p> <p>- Di-isobutyl phthalate (DIBP)</p> <p>- Di-n-octyl phthalate (DNOP)</p> <p>- Potassium permanganate consumption</p> <p>- Heavy metals</p> <p>- Evaporation of residue</p> <p>- Arsenic</p> <p>- Lead</p> <p>- Colouring agent</p>	<p>Specifications and Standards for Foods, Food Additives, etc. under the Food Sanitation Act (ABSTRACTS) 2010, JETRO April 2011, Part V "TOYS"</p> <p><i>Test procedure for compliance testing:-</i> Specifications, Standards and Testing Methods for Foodstuffs, Implements, Containers and Packaging, Toys, Detergents, JETRO January 2009 (following the tentative English translation published by JETRO in January 2009 and Amd. by MHLW Notification No. 336, September 6, 2010) (cont'd)</p> <p>Part III A-8</p> <p><i>Test procedure for compliance testing:</i> ST2016 Second Edition (2018.5.30), Part 3 Cl. 2.10 (with modifications)</p> <p><Excluding the following> Characterization & content determination tests by GC-FID</p> <p>Part III A-9</p> <p><i>Test procedures for compliance testing:</i> ST2016 Second Edition (2018.5.30), Part 3, Cl. 2.10 (with modifications) (for PVC, rubber and PU)</p> <p><Excluding the following> Characterization & content determination tests by GC-FID CPSC Test Method: CPSC-CH-C1001-09.3 Standard Operating Procedure for Determination of Phthalates, 1 April 2010 (for any other plasticized materials)</p> <p>Part III A-10 & Part III A-5(2)a & Part II B-1 Part III A-10 & Part III A-1(2)a & Part II B-4 Part III A-10 & Part III A-5(2)b & Part II B-5 Part III A-10 & Part III A-1(2)b & Part II B-7</p> <p>Part III A-11 & Part II B-3 Part III A-11 & Part II B-9</p> <p>Part III B</p>

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Toys made of PVC plastic materials only (cutlery and feeding utensils, excluding feeding bottles, teats, spouts, cups and childcare articles)	Chemical tests :- - Bis (2-ethylhexyl) phthalate (DEHP) - Dibutyl phthalate (DBP) - Benzyl butyl phthalate (BBP) - Di-isononyl phthalate (DINP) - Di-isodecyl phthalate (DIDP) - Di-n-octyl phthalate (DNOP)	Regulation (EC) No. 1907/2006 on REACH Annex XVII Item No. 51/52 as amended by Commission Regulation (EC) No. 552/2009 <i>Test method for testing of the contents of 6 phthalates:-</i> EN 14372: 2004 (E), cl. 3. cl. 4, cl. 5.4.2.1, cl. 5.4.2.3, cl. 6.3.2 & Annex A (by GC-MS) < Excluding the following > Gravimetric analysis given under cl. 6.3.2.7
Toys	- Bis (2-ethylhexyl) phthalate (DEHP) - Dibutyl phthalate (DBP) - Benzyl butyl phthalate (BBP) - Di-isononyl phthalate (DINP) - Di-isodecyl phthalate (DIDP) - Di-n-octyl phthalate (DNOP)	Regulation (EC) No. 1907/2006 on REACH Annex XVII Item No. 51/52 as amended by Commission Regulation (EC) No. 552/2009 <i>Test procedure for compliance testing:-</i> CPSC Test Method: CPSC-CH-C1001-09.3 Standard Operating Procedure for Determination of Phthalates, 1 April 2010
Toys for children, and childcare articles intended to facilitate sleep or feeding	- Dibutyl Phthalate (DBP) - Di-(2ethylhexyl) phthalate (DEHP) - Benzyl Butyl Phthalate (BBP) - Di-n-octyl phthalate (DnOP) - Diisononyl phthalate (DINP) - Diisodecyl phthalate (DIDP)	CPSC Test Method: CPSC-CH-C1001-09.3 Standard Operating Procedure for Determination of Phthalates, 1 April 2010 (excluding optional pre-screen procedure using IR spectrometry)
Toys and childcare articles	- Dibutyl phthalate (DBP) - Bis (2-ethylhexyl) phthalate (DEHP) - Butyl benzyl phthalate (BBP) - Diisobutyl phthalate (DIBP) - Di-isononyl phthalate (DINP) - Di-n-pentyl phthalate (DPENP) - Di-n-hexyl phthalate (DHEXP) - Dicyclohexyl phthalate (DCHP)	US 16 CFR Part 1307 <i>Test procedure for compliance testing:</i> CPSC Test Method: CPSC-CH-C1001-09.4 Standard Operating Procedure for Determination of Phthalates, January 17, 2018

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<p>Toys</p> <p>Category I toy materials: Dry, brittle, powder like or pliable materials</p> <p>Category III toy materials: Scraped-off materials</p>	<p>Chemical tests :-</p> <p>- Migration of certain elements</p> <p>Aluminium, Antimony, Arsenic, Barium, Boron, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Strontium, Tin and Zinc</p> <p>Chromium (VI) Chromium (III) (by calculation)</p> <p>Organic Tin: Methyl tin, Butyltin, Dibutyl tin, Tributyl tin, Tetra-butyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Triphenyl tin, Dimethyl-tin</p> <p>Aluminium, Antimony, Arsenic, Barium, Boron, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Strontium, Tin and Zinc</p> <p>Chromium (VI) Chromium (III) (by calculation)</p> <p>Organic Tin: Methyl tin, Butyltin, Dibutyl tin, Tributyl tin, Tetra-butyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Triphenyl tin, Dimethyl-tin</p>	<p>BS EN71-3: 2019 EN71-3:2019</p> <p>Alternative method as documented in TG-T&M-C-102 (ICP-OES and ICP-MS)</p> <p>Alternative method as documented in TG-T&M-C-103 (LC-ICP-MS)</p> <p>Annex G (GC-MS)</p> <p>Alternative method as documented in TG-T&M-C-102 (ICP-OES)</p> <p>Alternative method as documented in TG-T&M-C-103 (LC-ICP-MS)</p> <p>Annex G (GC-MS)</p>

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<p>Toys</p> <p>Category I toy materials: Dry, brittle, powder like or pliable materials</p> <p>Category III toy materials: Scraped-off materials</p>	<p>Chemical tests :-</p> <p>- Migration of certain elements</p> <p>Aluminium, Antimony, Arsenic, Barium, Boron, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Strontium, Tin and Zinc</p> <p>Chromium (VI) Chromium (III) (by calculation)</p> <p>Organic Tin: Methyl tin, Butyltin, Dibutyl tin, Tributyl tin, Tetra-butyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Triphenyl tin, Dimethyl-tin</p> <p>Aluminium, Antimony, Arsenic, Barium, Boron, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Strontium, Tin and Zinc</p> <p>Chromium (VI) Chromium (III) (by calculation)</p> <p>Organic Tin: Methyl tin, Butyltin, Dibutyl tin, Tributyl tin, Tetra-butyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Triphenyl tin, Dimethyl-tin</p>	<p>BS EN71-3: 2019 + A1: 2021 EN71-3:2019 + A1: 2021</p> <p>Alternative method as documented in TG-T&M-C-102 (ICP-OES and ICP-MS)</p> <p>Alternative method as documented in TG-T&M-C-103 (LC-ICP-MS)</p> <p>Annex G (GC-MS)</p> <p>Alternative method as documented in TG-T&M-C-102 (ICP-OES)</p> <p>Alternative method as documented in TG-T&M-C-103 (LC-ICP-MS)</p> <p>Annex G (GC-MS)</p>

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Toy	Flammability tests :-	<p>ISO 8124-2: 2014 AS/NZS 8124-2: 2016 MS ISO 8124-2: 2016 < <i>Excluding the following</i> > for the above three standards Tests for flammable gel, extremely flammable liquid, highly flammable liquid, flammable gas; viscosity test</p> <p>Japan Toy Safety Standard ST2016 Third Edition (December 3, 2019) Part 2 (based on English version provided by JTA in December 3 2019) < <i>Excluding the following</i> > Tests for flammable gel, extremely flammable liquid, highly flammable liquid, flammable gas; viscosity test</p> <p>Japan Toy Safety Standard ST2016 Fourth Edition (October 4, 2022) Part 2 (based on English version provided by JTA in December 3 2019 and translation of revision notice in October 4, 2022) < <i>Excluding the following</i> > Tests for flammable gel, extremely flammable liquid, highly flammable liquid, flammable gas; viscosity test</p> <p>EN 71-2: 2011 + A1: 2014 BS EN 71-2: 2011 + A1: 2014 EN 71-2: 2020 BS EN 71-2: 2020 < <i>Excluding the following</i> > for the above four standards Tests for flammable gel, extremely flammable liquid, highly flammable liquid, flammable gas; viscosity test</p>

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Toy	Flammability test :	16 CFR Parts 1500.3(c)(6)(vi) & 1500.44 16 CFR Part 1610 ASTM F963-17 Section 4.2 Canada Toys Regulations (SOR/2011-17) (last amended on 11 January 2019) Section 32, 33 and 34 GB 6675.1: 2014 Cl. 5.2, and GB 6675.3: 2014 <Excluding the following > Tests for flammable gas, highly flammable liquid, highly flammable solid and flammable gels; viscosity test
玩具	燃燒性能測試：	GB 6675.1: 2014 Cl. 5.2, 及 GB 6675.3: 2014 <不包含> 易燃氣體、高度易燃液體、 高度易燃固體、易燃凝膠體的測試; 粘度測試

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<p>Toy cosmetics, liquids, pastes, putties, gels, and powders < Excluding the following > - avian feather products</p>	<p>Microbiological tests:- Cleanliness of Materials - Microbial Enumeration Tests - Tests for Specified Microorganisms</p>	<p>ASTM F963-17 Clause 4.3.6.3 and 8.4.1 <i>Test Procedures for compliance testing:</i> The United States Pharmacopeia 35 (2012), General Ch. <61> <i>Test Procedures for compliance testing:</i> The United States Pharmacopeia 35 (2012), General Ch. <62></p>

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Toys	Physical and mechanical tests :- - Safety requirements and test methods	ISO 8124.1: 2018 + A1: 2020 + A2: 2020 <i><Excluding the following></i> Cl. 4.8.2, 4.12.2, 4.15, 4.16.2.2, 4.18.4.1, 4.21, 4.22, 4.23 and 4.26c) and 4.29 (push and pull toy and hand-activated spring-propelled toy) and 4.30; tests for large and bulky toy ISO 8124.1: 2022 <i><Excluding the following></i> Cl. 4.8.2, 4.12.2, 4.15, 4.16.2.2, 4.18.4.1, 4.21, 4.22, 4.23 and 4.26c) and 4.29 (push and pull toy and hand-activated spring-propelled toy) and 4.30; tests for large and bulky toy
Toy	- Safety requirements and test methods	AS/NZS 8124.1: 2019 <i><Excluding the following></i> Cl. 4.8.2, 4.12.2, 4.15, 4.16.2.2, 4.18.4.1, 4.21, 4.22, 4.23, 4.26c), 4.29 (push and pull toy and hand-activated spring-propelled toy) and 4.30; tests for large and bulky toy
Toy	- Safety requirements and test methods	MS ISO 8124-1: 2016 <i><Excluding the following></i> Cl. 4.12.2, 4.15, 4.16.2.2, 4.20, 4.21, 4.22, 4.25c), 4.28 (push and pull toy and hand-activated spring-propelled toys) and 4.29; tests for large and bulky toy

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Toy	Physical and mechanical tests :- - Safety requirements and test methods	Japan Toy Safety Standard ST2016 Third Edition (December 3, 2019) Part 1 (based on English version provided by JTA) in December 3, 2019) <i><Excluding the following></i> Cl. 4.12.2, 4.15, 4.16.2.2, 4.18.3.1, 4.22c), 4.23 (pull and push toy, hand-activated spring-propelled toy), tests for large and bulky toy Japan Toy Safety Standard ST2016 Fourth Edition (October 4, 2022) Part 1 (based on English version provided by JTA in December 3, 2019 and translation of revision notice in October 4, 2022) <i><Excluding the following></i> Cl. 4.12.2, 4.15, 4.16.2.2, 4.18.3.1, 4.22c), 4.23 (pull and push toy, hand-activated spring-propelled toy), tests for large and bulky toy
Toy	Physical and mechanical tests :- 機械和物理性能測試:- - Safety requirements and test methods	GB 6675.1: 2014 Cl. 5.1.1 to 5.1.11, 5.5.2, 5.7, and GB 6675.2: 2014 <i><Excluding the following ></i> Cl. 4.12.2, 4.16.2.2, 4.20, 4.21, 4.22, 4.25c), 4.28 (test for push and pull toy and hand-activated spring-propelled toys)
玩具	- 安全規定及測試方法	GB 6675.1: 2014 Cl. 5.1.1 to 5.1.11, 5.5.2, 5.7, 及 GB 6675.2: 2014 <i><不包含></i> Cl. 4.12.2, 4.16.2.2, 4.20, 4.21, 4.22, 4.25c), 4.28 (推拉玩具和手動彈簧驅動玩具的測試)
Toy	- Instructions for use of toys	GB/T 5296.5-2006
玩具	- 玩具使用說明	GB/T 5296.5-2006

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Toy	Physical and mechanical tests :- - 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. 4.10.1c), 4.11c), 4.11e), 4.14.1c), 4.15 4.18 (tests to EN 15649-3), 4.20.2.5, 4.20.2.8, 4.20.2.12, 4.22 (toy with a ball attached by a string, elastic similar such that the ball is suspended freely) and 5.10 (toy with a ball attached by a string, elastic similar such that the ball is suspended freely); tests for large and bulky toy
Toy	- Safety requirements :- Labeling requirements Instructional literature Producer's markings Test methods	ASTM F963-17 Section 4.1, 4.3.7, 4.5 to 4.14, 4.16 to 4.19, 4.21 to 4.24, 4.26 to 4.28, 4.30 to 4.36, 4.38 to 4.40 <Excluding the following> Section 4.1 (reprocessed materials test to 4.3.1), 4.5 (tests for pull and push toy and hand-activated spring-propelled toy), 4.6.2 Section 5 Section 6 Section 7 Section 8
Toy	- Safety tests	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
Toys	- Safety Requirements:	Canada Toys Regulations (SOR/2011-17) (last amended on 11 January 2019) Section 3, 4, 7 to 19, 28 to 31, 37, 40, 41, 43 and 44 < Excluding the following > Section 19 (push and pull toy), 29(c), 29(d)