



CMA Industrial Development Foundation Limited

香港中華廠商聯合會工業發展基金有限公司

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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
Toys (cont'd) 玩具類產品 (續上)		
- Plastic toys <Excluding the following> - toys containing gas or liquid - imitation weapon toys - chemical toys - cosmetic toys - toys with direct food contact - toys with folding mechanisms - toy chests and similar toys - pull and push toys and hand-actuated spring-propelled toys	All required tests as specified in CNCA-13C-070: 2010	GB 6675.1-2014 GB 6675.2-2014 GB 6675.3-2014 GB 6675.4-2014
- 塑膠玩具類產品 <不包括> - 含氣體或液體玩具 - 仿真武器玩具 - 化學遊戲玩具 - 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	CNCA-13C-070: 2010 有關規定的所有檢測	GB 6675.1-2014 GB 6675.2-2014 GB 6675.3-2014 GB 6675.4-2014

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Toys (cont'd) 玩具類產品 (續上)		
- Metal toys <Excluding the following> - toys containing gas or liquid - imitation weapon toys - chemical toys - cosmetic toys - toys with direct food contact - toys with folding mechanisms - toy chests and similar toys - pull and push toys and hand-actuated spring-propelled toys	All required tests as specified in CNCA-13C-071: 2010	GB 6675.1-2014 GB 6675.2-2014 GB 6675.3-2014 GB 6675.4-2014
- 金屬玩具類產品 <不包括> - 含氣體或液體玩具 - 仿真武器玩具 - 化學遊戲玩具 - 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	CNCA-13C-071: 2010 有關規定的所有檢測	GB 6675.1-2014 GB 6675.2-2014 GB 6675.3-2014 GB 6675.4-2014

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Toys (cont'd) 玩具類產品 (續上)		
- Projectile toys <Excluding the following> - toys containing gas or liquid - imitation weapon toys - chemical toys - cosmetic toys - toys with direct food contact - toys with folding mechanisms - toy chests and similar toys - pull and push toys and hand-actuated spring-propelled toys	All required tests as specified in CNCA-13C-072: 2010	GB 6675.1-2014 GB 6675.2-2014 GB 6675.3-2014 GB 6675.4-2014
- 彈射玩具類產品 <不包括> - 含氣體或液體玩具 - 仿真武器玩具 - 化學遊戲玩具 - 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	CNCA-13C-072: 2010 有關規定的所有檢測	GB 6675.1-2014 GB 6675.2-2014 GB 6675.3-2014 GB 6675.4-2014

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Toys (cont'd) 玩具類產品 (續上)		
- Dolls <Excluding the following> - toys containing gas or liquid - imitation weapon toys - chemical toys - cosmetic toys - toys with direct food contact - toys with folding mechanisms - toy chests and similar toys - pull and push toys and hand-actuated spring-propelled toys	All required tests as specified in CNCA-13C-073: 2010	GB 6675.1-2014 GB 6675.2-2014 GB 6675.3-2014 GB 6675.4-2014
- 娃娃玩具類產品 <不包括> - 含氣體或液體玩具 - 仿真武器玩具 - 化學遊戲玩具 - 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	CNCA-13C-073: 2010 有關規定的所有檢測	GB 6675.1-2014 GB 6675.2-2014 GB 6675.3-2014 GB 6675.4-2014

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Chemical Testing 化學測試

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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 Netherlands Law Gazette 1999 No. 149 and Amd. in September 2000 No. 186 (Chemical Substances Act Cadmium Decree) Swedish Ordinance SFS 1985: 839 Switzerland Environmentally Hazardous Substances Ordinance on Substances Annex 4.11 for cadmium content French Décret 94-647 for cadmium 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 EN 12472: 2005 (E) + A1: 2009
Spectacle frames and sunglasses intended to come into close and prolonged contact with the skin	- 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> EN 16128: 2011 BS EN 16128: 2011 BS EN 12472: 2005 + A1: 2009 EN 12472: 2005 (E) + A1: 2009

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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	Regulation (EC) No. 1907/2006 on REACH Annex XVII Item No 43 as amended by Commission Regulation (EC) No. 552/2009 <i>Test procedures for compliance testing:</i> EN 14362-1: 2012 EN 14362-3: 2012 ISO 14362-1:2017 ISO 14362-3:2017 EN ISO 14362-1:2017 EN ISO 14362-3:2017 BS EN ISO 14362-1:2017 BS EN ISO 14362-3:2017 Techniques used are GC-MSD for detection, HPLC-DAD 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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Ferric Chloride Solution	Assay of ferric chloride	GB 4482-2006 Section 5.1
Sodium Hypochlorite Solution	Available chlorine	GB 19106-2003 Cl. 5.1
Sodium Hydroxide Solution	Determination of Sodium Hydroxide	GB/T 4348.1-2000 < Excluding determination of sodium carbonate >
Sodium Bisulphite Solution	Assay of Sodium Bisulphite	HG/T 3814-2006 Cl. 4.3
Sodium Chlorite Solution	Assay of Sodium Chlorite	HG/T 3250-2010 Cl. 5.4

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Chemical Testing 化學測試

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Ferric Chloride Solution	Chemical tests:- 氯化亞鐵含量 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/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) 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
Sodium Hypochlorite Solution	游離鹼(以NaOH計) 鐵 重金屬(以Pb計) Arsenic pH	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

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Chinese Medicine 中藥		
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Proprietary Chinese Medicines and Chinese Herbal Medicines	Toxic elements :- Arsenic, Cadmium, Lead, Mercury, Copper 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 TG-FP-119 (ICP-MS) In-house Method TC-FP-120 (GC-ECD & GC-MS)
Proprietary Chinese Medicines (Water honeyed pills)	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-229 (GC-ECD)

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Chinese Medicine 中藥		
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Proprietary Chinese Medicines	<p>Microbiological examinations:-</p> <p>- Microbial Limit Test: Aerobic bacteria count Mold and Yeast count <i>E. coli</i> <i>Salmonella species</i> <i>Pseudomonas aeruginosa</i> <i>Staphylococcus aureus</i></p> <p>- 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 species</i> 銅綠假單胞菌 <i>Pseudomonas aeruginosa</i> 金黃色葡萄球菌 <i>Staphylococcus aureus</i> 梭菌 Clostridium</p> <p>- 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 species</i> 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></p>	<p>Pharmacopoeia of the People's Republic of China 2000, Volume I, App. XIIC (English Edition)</p> <p>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</p> <p>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</p>

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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 species</i> 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, 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

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>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</p>

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Electrical and Electronic Products 電氣及電子產品

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Sound broadcast receivers and associated equipment <i><Excluding the following></i> - PC tuner cards - outdoor units - broadcast receivers for digital signals	EMC tests :- (cont'd) Emission tests - 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	AS/NZS CISPR 13: 2012 CISPR 13: 2009 EN 55013: 2013
Household appliances, electric tools and similar apparatus, electric and electronic toys <i><Excluding the following></i> - washing machines - dish-washing machines - tumble dryers - centrifugal dryers - lifting devices - automatic goods-dispensing machines - entertainment machines - three-phase equipment	- 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	AS/NZS CISPR 14.1: 2010 CISPR 14-1: 2005 EN 55014-1: 2006 + A1: 2009 + A2: 2011
Lighting equipment and luminaires <i><Excluding the following></i> - 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	- 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	AS/NZS CISPR 15: 2011 CISPR 15: 2013 EN 55015: 2013

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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 :- (cont'd)</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>< Excluding the following ></p> <ul style="list-style-type: none"> - three phase equipment - washing machines - refrigerators and freezers - air conditioners 	<p>EMC tests :- (cont'd)</p> <p>Emission tests</p> <ul style="list-style-type: none"> - Harmonic currents 	<p>EN 61000-3-2: 2014 IEC 61000-3-2: 2014</p>
<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>< Excluding the following ></p> <ul style="list-style-type: none"> - three-phase equipment - washing machines - refrigerators and freezers - air conditioners 	<ul style="list-style-type: none"> - Voltage fluctuations and flicker at the supply terminals of the equipment (direct measurement using flickermeter) 	<p>EN 61000-3-3: 2013 IEC 61000-3-3: 2013</p>
<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>< Excluding the following ></p> <ul style="list-style-type: none"> - measurement of telecommunications / network point 	<ul style="list-style-type: none"> - Measurement of radiated disturbances - 30 MHz to 1 GHz - Measurement of terminal disturbance voltage - 0.15 MHz to 30 MHz 	<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

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
Household appliances, electric tools and similar apparatus, electric and electronic toys < Excluding the following > - washing machines - dish- washing machines - tumble dryers - centrifugal dryers - lifting devices - automatic goods-dispensing machines - entertainment machines - three-phase equipment	EMC tests :- (cont'd) Immunity tests - Electrostatic discharge - Fast transient/burst - Injected currents - Surge - Voltage dips and interruptions	CISPR 14-2: 1997 + A1: 2001 + A2: 2008 EN 55014-2: 1997 + A1: 2001 + A2: 2008
Electrical and electronic equipment	- Electrostatic discharge	EN 61000-4-2: 2009 IEC 61000-4-2: 2008 < Excluding the following > for the above two standards Annex B
Electrical and electronic equipment < Excluding the following > - three-phase equipment - equipment with interconnection or communication line	- Electrical fast transient/burst - 4 kV 5/50 ns - Surge - 4 kV 1.2/50 µs and 8/20 µs	EN 61000-4-4: 2012 IEC 61000-4-4: 2012 EN 61000-4-5: 2014 IEC 61000-4-5: 2014
Electrical and electronic equipment < Excluding the following > - three-phase equipment - equipment with interconnection or communication line	- Conducted disturbance induced by radio frequency fields - 150 kHz to 80 MHz, 3 V (max)	EN 61000-4-6: 2014 IEC 61000-4-6: 2013 < Excluding the following > for the above two standards Cl. 6.2.3
	- Voltage dips, short interruptions and voltage variations	EN 61000-4-11: 2004 IEC 61000-4-11: 2004

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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
<p>Electrical accessories</p> <p>- 13 A fused plug</p> <p>- 13 A switched and unswitched socket outlet</p> <p>- 13 A switched and unswitched fused connection unit</p>	<p>Safety tests :-</p> <p>- Compliance inspection and safety tests</p> <p>- Compliance inspection and safety tests</p> <p>- Compliance inspection and safety tests</p>	<p>BS 1363-1: 2016 + A1: 2018 < <i>Excluding the following</i> > Cl. 8.4, 12.19, 27; Annex F</p> <p>SS 145: Part 1: 2010 < <i>Excluding the following</i> > Annex F</p> <p>MS 589: Part 1: 1997</p> <p>BS 1363-2: 2016 + A1: 2018 < <i>Excluding the following</i> > Cl. 8.4, 11.10, 13.25, 14.3 (tests for IP5X, IP6X, IPX5 to IPX8), 17.2, 18.2, 26; Annex F</p> <p>SS 145: Part 2: 2018 < <i>Excluding the following</i> > Cl. 8.4, 11.10, 13.25, 14.3 (tests for IP5X, IP6X, IPX5 to IPX8); Annex F</p> <p>MS 589: Part 2: 1997</p> <p>BS 1363-4: 2016 + A1: 2018 < <i>Excluding the following</i> > Cl. 8.4, 11.9, 14.3 (tests for IP5X, IP6X, IPX5 to IPX8); Annex F</p>

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Electrical accessories (cont'd) - Adaptor	Safety tests :- - Compliance inspection and safety tests	BS 1363-3: 2016 + A1: 2018 < <i>Excluding the following</i> > Cl. 8.4, 13.13, 20.1.3, Annex F SS 246: 2004 < <i>Excluding the following</i> > Socket portion for 2.5 A plugs; Cl. 20.1.3 MS 589: Part 3: 1998 < <i>Excluding the following</i> > Cl. 20.1.3

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<p>Household and similar electrical appliances</p> <p>- General requirements for single phase electrical appliance < <i>Excluding the following</i> > - appliance for use in tropical climate</p>	<p>Safety tests :- (cont'd)</p> <p>- Compliance inspection and safety tests</p>	<p>BS EN 60335-1: 2012 + A13: 2017 EN 60335-1: 2012 + A13: 2017 < <i>Excluding the following</i> > for the above two standards Cl. 8.1.4 (discharge measurement), 15.1 (tests for IPX5 to IPX8), 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 (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 < <i>Excluding the following</i> > Cl. 8.1.4 (discharge measurement), 15.1 (tests for IPX5 to IPX8), 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 (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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<p>Household and similar electrical appliances (cont'd)</p> <p>- Battery chargers < <i>Excluding the following</i> > - battery chargers intended to be used with D.C. distribution boards - battery chargers for installing in caravans and similar vehicles</p>	<p>Safety tests :- (cont'd)</p> <p>- Compliance inspection and safety tests</p>	<p>BS EN 60335-2-29: 2004 + A11: 2018 EN 60335-2-29: 2004 + A11: 2018 < <i>Excluding the following</i> > for the above two standards Clauses 8.1.4 (discharge measurement), 15.1 (tests for IPX5 to IPX8), 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 60335-2-29: 2016 < <i>Excluding the following</i> > Clauses 8.1.4 (discharge measurement), 15.1 (tests for IPX5 to IPX8), 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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<p>Household and similar electrical appliances (cont'd)</p> <p>- Fans with rated voltage not more than 250 V < <i>Excluding the following</i> > - Ceiling fan and duct fan</p>	<p>Safety tests :- (cont'd)</p> <p>- Compliance inspection and safety tests</p>	<p>BS EN 60335-2-80: 2003 + A2: 2009 EN 60335-2-80: 2003 + A2: 2009 < <i>Excluding the following</i> > for the above two standards Clauses 4.7 addition, 6.2 (duct fan), 8.1.4 (discharge measurement), 15.1 (tests for IPX5 to IPX8), 19.11.3, 19.11.4 20.101 (hardness and speed of unguarded fan blades; fan output power), 22.1 (tests for IP5X, IP6X), 22.7, 22.32 (oxygen bomb test), 22.46, 32 (EMF measurement); Annex J</p> <p>IEC 60335-2-80: 2015 < <i>Excluding the following</i> > Clauses 4.7 addition, 6.2 (duct fan), 8.1.4 (discharge measurement), 15.1 (tests for IPX5 to IPX8), 19.11.3, 19.11.4 20.101 (hardness and speed of unguarded fan blades; fan output power), 22.1 (tests for IP5X, IP6X), 22.7, 22.32 (oxygen bomb test), 22.46, 22.57; Annex J</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>- Kitchen machines < <i>Excluding the following</i> > - Ice-cream machine</p>	<p>Safety tests :- (cont'd)</p> <p>- Compliance inspection and safety tests</p>	<p>BS EN 60335-2-14: 2006 +A12: 2016 EN 60335-2-14: 2006 + A12: 2016 < <i>Excluding the following</i> > for the above two standards Clauses 8.1.4 (discharge measurement), 15.1 (tests for IPX5 to IPX8), 19.11.3, 19.11.4 20.117 (tests to Annex AA), 22.1 (tests for IP5X, IP6X), 22.7, 22.32 (oxygen bomb test), 22.46, 32 (EMF measurement); Annex J</p> <p>IEC 60335-2-14: 2016 < <i>Excluding the following</i> > Clauses 8.1.4 (discharge measurement), 15.1 (tests for IPX5 to IPX8), 19.11.3, 19.11.4 20.117 (tests to Annex AA), 22.1 (tests for IP5X, IP6X), 22.7, 22.32 (oxygen bomb test), 22.46, 22.57; Annex J</p>
<p>- Room heater</p>	<p>- Compliance inspection and safety tests</p>	<p>BS EN 60335-2-30: 2009 +A11: 2012 EN 60335-2-30: 2009 +A11: 2012 < <i>Excluding the following</i> > for the above two standards Clauses 8.1.4 (discharge measurement), 15.1 (tests for IPX5 to IPX8), 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 60335-2-30: 2009 + A1: 2016 < <i>Excluding the following</i> > Clauses 8.1.4 (discharge measurement), 15.1 (tests for IPX5 to IPX8), 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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Household and similar electrical appliances (cont'd) - Warming plate and similar appliance	Safety tests :- (cont'd) - Compliance inspection and safety tests	BS EN 60335-2-12: 2003 + A1: 2008 EN 60335-2-12: 2003 + A1: 2008 < Excluding the following > for the above two standards Clauses 8.1.4 (discharge measurement), 15.1 (tests for IPX5 to IPX8), 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 IEC 60335-2-12: 2002 + A1: 2008 + A2: 2017 < Excluding the following > Clauses 8.1.4 (discharge measurement), 15.1 (tests for IPX5 to IPX8), 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

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<p>Luminaires</p> <p>- General requirements for luminaire up to 100 W < <i>Excluding the following</i> ></p> <p>- luminaire for tubular fluorescent lamp</p> <p>- luminaire for discharge lamp</p> <p>- Fixed general purpose luminaire up to 100 W < <i>Excluding the following</i> ></p> <p>- luminaire for tubular fluorescent lamp</p> <p>- luminaire for discharge lamp</p> <p>- Portable general purpose luminaire up to 100 W < <i>Excluding the following</i> ></p> <p>- luminaire for tubular fluorescent lamp</p> <p>- luminaire for discharge lamp</p> <p>- Recessed luminaire up to 100 W < <i>Excluding the following</i> ></p> <p>- luminaire for tubular fluorescent lamp</p> <p>- luminaire for discharge lamp</p>	<p>Safety tests :- (cont'd)</p> <p>- Compliance inspection and safety tests</p> <p>- Compliance inspection and safety tests</p> <p>- Compliance inspection and safety tests</p> <p>- Compliance inspection and safety tests</p>	<p>EN 60598-1: 2015 + A1: 2018 IEC 60598-1: 2014 + A1: 2017 < <i>Excluding the following</i> > for the above two standards Cl. 4.13.4, 4.18.2, 4.20, 4.24, 4.26, 9.2 (tests for IP5X, IP6X, IPX5 to IPX8) (Note: The above two standards should be used in conjunction with the product test standards as detailed in relevant Part 2 of EN 60598 or IEC 60598.)</p> <p>EN 60598-2-1: 1989 IEC 60598-2-1: 1979 + A1: 1987 < <i>Excluding the following</i> > for the above two standards Cl. 1.6 (tests to Cl. 4.13.4, 4.18.2, 4.20, 4.24 and 4.26 of Part 1) and 1.13 (tests for IP5X, IP6X, IPX5 to IPX8);</p> <p>EN 60598-2-4: 2018 IEC 60598-2-4: 2017 < <i>Excluding the following</i> > for the above two standards Cl. 4.6 (tests to Cl. 4.13.4, 4.18.2, 4.20, 4.24 and 4.26 of Part 1) and 4.13 (tests for IP5X, IP6X, IPX5 to IPX8);</p> <p>EN 60598-2-2: 2012 IEC 60598-2-2: 2011 < <i>Excluding the following</i> > for the above two standards Cl. 2.6 (tests to Cl. 4.13.4, 4.18.2, 4.20, 4.24 and 4.26 of Part 1) and 2.14 (tests for IP5X, IP6X, IPX5 to IPX8);</p>

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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
Indoor Air Quality Testing	Extractable components collected in passive samplers:- - Formaldehyde - Nitrogen dioxide Extractable components collected in active samplers:- - Formaldehyde Microbiological tests:-	In-house method TG-ENV-WW-48 (HPLC-DAD) In-house method TG-ENV-WW-47 (FIA) In-house method TG-ENV-WW-104 (HPLC-PDA)
Collectate sampled by 1. two-stage Andersen sampler, 2. single-stage N6 Andersen sampler 3. single-stage Oxoid sampler 4. Quick Take 30 Bio Stage pump kit	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)	In-house method TG-FP-MB-033
Collectate sampled by Reuter Centrifugal Sampler (RCS)	Airborne bacteria count (number of colonies on agar strip) (35°C for 2 days) or (30°C for 2 days)	In-house method TG-FP-MB-033
Collectate sample on agar plate	Airborne bacteria count (number of colonies on agar plate) (35°C for 2 days) or (30°C for 2 days)	In-house method TG-FP-MB-033
Collectate sample on agar strip	Airborne bacteria count (number of colonies on agar strip) (35°C for 2 days) or (30°C for 2 days)	In-house method TG-FP-MB-033



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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
Indoor air sampling	- Airborne bacteria	In-house method SOP-ENV-IAQ-12 (by SMC QuickTake 30)

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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 (Nitrate) - Nitrogen (Nitrite) - Nitrogen (Total Kjeldahl) - Total oxidised nitrogen - Sulphate	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 (FIA) APHA 23e 4500-N _{org} D (FIA) APHA 23e 4500-NO ₃ I (FIA) APHA 23e 4500-SO ₄ ²⁻ E

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Water and Wastewater (cont'd)	Non-metallic constituents:- (cont'd) - Total Sulphide - Dissolved Sulphide (Soluble Sulphide) - Nitrogen (Total) (Total Kjeldahl + Nitrate + Nitrite) - Nitrogen (Organic) (Total Kjeldahl – Ammonia) - Nitrogen (Nitrate + Nitrite + Ammonia) Organic Pollutants:- - Oil & Grease - Chemical Oxygen Demand - Biochemical Oxygen Demand (5-day) - 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 - Volatiles Organic Compounds Chloroform, bromodichloromethane, benzene, ethylbenzene, methyl tert butyl ether, methylene chloride, styrene, toluene, xylenes, acetone, dibromochloromethane, tetrachloroethylene, trichloroethylene, chlorobenzene, 2-butanone and 1,4-dichlorobenzene	APHA 23e 4500S ² -D APHA 23e 4500S ² -B, D APHA 23e 4500-Norg D (FIA) and APHA 23e 4500-NO ₃ I (FIA) APHA 23e 4500-Norg D (FIA) and APHA 23e 4500-NH ₃ H (FIA) APHA 23e 4500-NH ₃ H (FIA) and APHA 23e 4500- NO ₃ I (FIA) 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 In-house method TG-ENV-WW-79 (by GC-ECD) In-house method TG-ENV-WW-80 (by GC-MSD) In-house method TG-ENV-WW-78 (by Headspace GC-MSD)

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Water and Wastewater (cont'd)	<p>Organic Pollutants:- (cont'd)</p> <p>- Polycyclic Aromatic Hydrocarbons Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoroanthene, Pyrene, Chrysene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3- cd)pyrene, Dibenzo(a,h) anthracene, Benzo(g,h,i)perylene</p> <p>- Total petroleum hydrocarbons: C6 - C8</p> <p>C9 - C16 C17 - C35</p> <p>- Pentachlorophenol</p> <p>- Polychlorinated biphenyl congeners 2,4'-Dichlorobiphenyl (8) 2,2',5' - Trichlorobiphenyl (18) 2,4,4' - Trichlorobiphenyl (28) 2,2',3,5' - Tetrachlorobiphenyl (44) 2,2', 5,5' - Tetrachlorobiphenyl (52) 2,3',4,4' -Tetrachlorobiphenly (66) 3,3',4,4' -Tetrachlorobiphenly (77) 3,4,4',5'-Tetrachlorobiphenyl (81) 2,2'4,5,5' - Pentachlorobiphenyl (101) 2,3,3',4,4' - Pentachlorobiphenyl (105) 2,3,4,4',5 -Pentachlorobiphenyl (114) 2,3'4,4',5 - Pentachlorobiphenyl (118) 2,3',4,4',5'-Pentachlorobiphenyl (123) 3,3',4,4',5 - Pentachlorobiphenyl (126) 2,2',3,3',4,4' - Hexachlorobiphenyl (128) 2,2',3,4,4',5' - Hexachlorobiphenyl (138) 2,2',4,4',5,5' - Hexachlorobiphenyl (153) 2,3,3',4,4',5 - Hexachlorobiphenyl (156) 2,3,3',4,4',5' - Hexachlorobiphenyl (157) 2,3',4,4',5,5' - Hexachlorobiphenyl (167) 3,3',4,4',5,5' - Hexachlorobiphenyl (169) 2,2',3,3',4,4',5 - Heptachlorobiphenyl (170) 2,2',3,4,4',5,5' - Heptachlorobiphenyl (180) 2,2',3,4',5,5',6 - Heptachlorobiphenyl (187) 2,3,3',4,4',5,5' -Heptachlorobiphenyl (189)</p>	<p>In house method TG-ENV-WW-81 (by GC-MS/MS)</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> <p>In house method TG-ENV-WW-84 (by GC-MSD)</p> <p>In house method TG-ENV-WW-81 (by GC-MSD)</p>

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Saline water	Physical examination:- - Total Suspended Solids dried at 103-105°C	APHA 23e 2540D
Seawater	- Turbidity Non-metallic Constituents:-	APHA 23e 2130 B
Saline water	- Dissolved oxygen Physical examination:-	APHA 23 e 4500-O G
Sewage sludge	- 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 Non-metallic Constituents:- - Cyanide - Free	In house method TG-ENV-WW-77 (by ICP-MS) In house Method TG-ENV-WW-118 (by FIA)

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Sediment and Soil (Cont'd)	Organic Pollutants:- (Cont'd) - Semivolatile Organic Compounds Hexachlorobenzene Bis(2-Ethylhexyl)phthalate Phenol - Volatiles Organic Compounds Chloroform, tetrachloroethylene, bromodichloromethane, trichloroethene, benzene, ethylbenzene, methyl tert butyl ether, methylene chloride, styrene, toluene, xylene (sum of m, o, p-), 2-butanone, acetone - Tributyl tin - Tributyl tin oxide	In-house method TG-ENV-WW-99 (by GC-MSD) In-house method TG-ENV-WW-99 (by GC-MSD) In-house method TG-ENV-WW-100 (by LC-MS) In-house method TG-ENV-WW-101 (by Headspace GC-MSD) In-house method TG-ENV-WW-102 (by LC-MS/MS) In-house method TG-ENV-WW-122 (by calculation)

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Water and Wastewater	Microbiological tests:- - Heterotrophic plate count - 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
Water, Wastewater and Cooling tower water	<i>Legionellae</i> count including <i>Legionella Pneumophila</i> count	AS/NZS 3896: 2008
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
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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Food 食品		
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Food containers (ceramicware)	Toxicological tests :- - Leachable lead and cadmium	ISO 6486/1 – 1999 ISO 6486/2 – 1999 US FDA Compliance Policy Guides 7117.06 (1995)& 7117.07 (1995) <i>Test methods for compliance testing of</i> AOAC Official Methods 973.32 (2005) AOAC Official Methods 973.82 (2005) ASTM C738-94 (Reapproved 2016) UK The Ceramic Ware (Safety) Regulation 1988, S.I. 1647:- <i>Test method for compliance testing:</i> BS 6748: 1986 + A1: 2011 84/500/EEC Annex I, II with Amd. 2005/31/EC <i>Test methods for compliance testing:</i> 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
Food containers (vitreous enamel ware)		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 D	Commission Regulation (EU) no. 10/2011, Article 12, Annex III and Annex V. <i>Test methods for compliance testing:</i> EN 1186-3: 2002, Method A (immersion method) EN 1186-5: 2002 (cell method) EN 1186-9: 2002 (article filling method)

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Food 食品		
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<p>Food containers (synthetic resins, PVC, PE PS, PVDC, PET and PP)</p>	<p>Toxicological tests :- (cont'd)</p> <ul style="list-style-type: none"> - Lead, cadmium - Barium - Heavy metals as lead - Consumption of potassium permanganate - Evaporation residues 	<p>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</p> <p><i>Test methods 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)</p> <p>Section D2 (1) item a Section D2 (2) item f Section B4 Section B1 Section B5</p>

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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)
Nuts and Nut Products	Protein (Crude)	AOAC Official Methods 950.48 (2005)
Meat	Nitrogen	AOAC Official Methods 928.08 (2005)
Crude and Refined Oils	Acid value Free fatty acids	AOAC Official Methods 940.28 (2005) AOAC Official Methods 940.28 (2005)
Oils and Fats	Peroxide value	AOAC Official Methods 965.33 (2005)
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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General foodstuff	Chemical analysis:- (cont'd) Contaminants:- - Melamine	In-house method TG-FP-110 (By LC-MS-MS)
Meat, Seafood, Milk & Honey	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)	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) - 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)	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) - Soy lectin gene, <i>le 1</i> - 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)	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)

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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 :-	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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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 42 (2018), General Ch. <61> - British Pharmacopoeia (2019), App. XVI B-2 - European Pharmacopoeia 10 th edition (2019), Ch. 2.6.12 - The United States Pharmacopeia 42 (2018), General Chapter <62> - British Pharmacopoeia (2019), 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)
Bathroom 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 20810-2006 中華人民共和國國家標準：衛生紙(含衛生紙原紙)(附錄 A 微生物指標的測定) GB 20810-2006 Bathroom tissue (including tissue base paper) (Appendix A)

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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
Hand Towel	Microbiological examinations:- (cont'd) - 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: - Test for specified microorganisms <i>Bile-tolerant Gram-negative Bacteria</i> <i>Clostridia</i> <i>Escherichia coli</i> <i>Pseudomonas aeruginosa</i> <i>Salmonella spp.</i> <i>Staphylococcus aureus</i> <i>Candida albicans</i> - Microbial enumeration tests	European Pharmacopoeia 10 th edition (2019) Ch. 5.1.4 <i>Test Procedures for compliance testing:</i> - European Pharmacopoeia 10 th edition (2019) Ch. 2.6.13 - European Pharmacopoeia 10 th edition (2019) Ch. 2.6.12
Non-sterile pharmaceutical preparations and substances for pharmaceutical use	Microbiological quality: - Test for specified microorganisms <i>Bile-tolerant Gram-negative Bacteria</i> <i>Clostridia</i> <i>Escherichia coli</i> <i>Pseudomonas aeruginosa</i> <i>Salmonella spp.</i> <i>Staphylococcus aureus</i> <i>Candida albicans</i> - Microbial enumeration tests	British Pharmacopoeia (2019), App. XVI D <i>Test Procedures for compliance testing:</i> - British Pharmacopoeia (2019), App. XVI B-1 - British Pharmacopoeia (2019), App. XVI B-2

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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 純化水	Microbiological examination : Total aerobic microbial count 需氧菌總數	British Pharmacopoeia (2019), Volume II, Purified Water 中華人民共和國藥典 2015 年版二部純化水 Pharmacopoeia of the People's Republic of China 2015, Volume II, Purified Water
Tablets and capsules	- Physical and chemical tests: Uniformity of weight (mass)	British Pharmacopoeia (2012) App. XIIC-1
Dietary supplements – Uncoated tablets, film-coated tablets and capsules	Weight variation	The United States Pharmacopoeia 33 NF 28
Paracetamol tablets	Assay	British Pharmacopoeia 2014 (BP2014)

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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
<p>Glass and glass products</p> <p>- Glass containers with base dimension not exceeding 137 mm and height up to 550 mm</p> <p>- Glass containers in contact with foodstuffs with height up to 500 mm</p> <p>Other products</p> <p>- Fluid and gas lighters</p> <p>- Writing and marking instruments likely to be used by children up to age of 14</p> <p>- 書寫用具</p>	<p>Performance tests :-</p> <p>- Optical retardation</p> <p>- Thermal shock</p> <p>Safety and performance tests</p> <p>Safety tests for safety caps 筆帽安全測試</p> <p>Safety tests for end closures</p>	<p>ASTM C148-17 < <i>Excluding the following</i> > Cl. 5</p> <p>BS EN 1183: 1997 Method B (for thermal shock endurance up to 160°C)</p> <p>BS EN ISO 9994: 2006 + A1: 2008 EN ISO 9994: 2006 + A1: 2008 ISO 9994: 2005/Amd 1: 2008</p> <p>BS 7272-1: 2008 ISO 11540: 1993 JIS S 6060: 1996 GB 21027-2007 Cl. 3.7, 4.6 & Annex E</p> <p>BS 7272-2: 2008 + A1: 2014</p>

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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 products - Children's clothing	Construction tests :- - Measurement of cords and drawn strings	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
General Textiles and Garments	Flammability tests :- - 45° angle test	US 16 CFR Part 1610
Specific products - Bed covers and pillows	- Ignitability by smouldering and flaming ignition source	BS EN ISO 12952-1: 2010
- Mattresses, divans and bed bases	- Resistance to ignition	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) BS EN 597-1: 1995 BS EN 597-2: 1995 BS 6807: 1996 Section 2: sources 2 to 7 BS 6807: 2006 < <i>Excluding the following</i> > Cl. 10
- Textile Floor Coverings	- Hot metal nut method - Assessment and labelling	BS 4790: 1987 with Amendment Nos. 1 and 2 BS 5287: 1988

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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>Specific products (cont'd)</p> <ul style="list-style-type: none"> - Upholstered composites for seating including: - Polyurethane foam in slab or cushion form - Polyurethane foam in crumb form - Latex rubber foam - Non-foam filling materials singly - Composite fillings for furniture other than mattresses, bed-bases, cushion and pillows - Composite fillings for pillows and cushions with primary covers - Composite fillings of mattresses and bed-bases - Interliner - Visible part of upholstery - Non-visible part of upholstery 	<p>Flammability tests (cont'd):</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 in 1989 (Statutory Instrument 1989 No. 2358), in 1993 (Statutory Instrument 1993 No. 207) and in 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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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>Specific products (cont'd)</p> <ul style="list-style-type: none"> - Upholstered composites for seating including: (cont'd) - Visible cover - Stretch cover - Non-visible cover 	<p>Flammability tests (cont'd):</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 in 1989 (Statutory Instrument 1989 No. 2358), in 1993 (Statutory Instrument 1993 No. 207) and in 2010 (Statutory Instrument 2010 No. 2205) (cont'd)</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 - Soluble migrated elements: Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium - Total lead content - Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium - Screening of total element content	ASTM F963-07 Cl. 4.3.5 ASTM F963-08 Cl. 4.3.5 Cl. 4.3.5.1 <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, 25 February 2011 Cl. 4.3.5.2 ASTM F963-11 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, 25 February 2011 ASTM F2853-10 (2015 reapproved) (For the determination of lead in paint layers and similar coatings on plastic and metal substrates only) Cl. 4.3.5.1 (2) Cl. 4.3.5.1 and 8.3.1 <i>Test procedures for compliance testing:</i> In-house method TG-T&M-C-002 SOP 6 (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
Toys – paint and similar surface-coating Materials (cont'd)	Chemical tests :- (cont'd) - Total lead content - Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium - Screening of total element content - Total lead content - Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium - Screening of total element content	ASTM F963-16 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 F2853-10 (2015 reapproved) (For the determination of lead in paint layers and similar coatings on plastic and metal substrates only) ASTM F963-16 Cl. 4.3.5.1 (2) Cl. 4.3.5.1 and 8.3.1 <i>Test procedures for compliance testing:-</i> In-house method TG-T&M-C-002 SOP 6 (ICP-OES) 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 F2853-10 (2015 reapproved) (For the determination of lead in paint layers and similar coatings on plastic and metal substrates only) Cl. 4.3.5.1 (2) Cl. 4.3.5.1 and 8.3.1 <i>Test procedures for compliance testing:-</i> In-house method TG-T&M-C-002 SOP 6 (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
<p>Toys – substrate materials (excluding children's jewelry) (cont'd)</p>	<p>Chemical tests :- (cont'd)</p> <p>- Total lead content</p> <p>- Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium</p> <p>- Total lead content</p> <p>- Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium</p>	<p>ASTM F963-16 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.</p> <p>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.</p> <p>ASTM F2853-10 (2015 reapproved) (For the determination of lead in non-PVC plastic and glass substrates only)</p> <p>Cl. 4.3.5.2 (2) (b)</p> <p>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.</p> <p>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.</p> <p>ASTM F2853-10 (2015 reapproved) (For the determination of lead in non-PVC plastic and glass substrates only)</p> <p>Cl. 4.3.5.2 (2) (b)</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
Metallic toys or metallic toy components (excluding children's jewelry)	Chemical tests :- (cont'd) Extractable Cadmium Extractable Cadmium Extractable Cadmium	ASTM F963-11 Cl. 4.3.5.2 (2)(c) <i>Test procedures for compliance testing:</i> 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 ASTM F963-16 Cl. 4.3.5.2 (2)(c) <i>Test procedures for compliance testing:</i> 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 ASTM F963-17 Cl. 4.3.5.2 (2)(c) <i>Test procedures for compliance testing:</i> 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
Toys – substrate materials (excluding children's jewelry)	- Screening of total element content - Total element content	ASTM F963-11 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) ASTM F963-16 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) ASTM F2853-10 (2015 reapproved) (For the determination of total element content in non-PVC plastic substrates only)

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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>Toys – substrate materials (excluding children's jewelry)</p> <p>Toys and other articles intended for use by children – paint and other similar surface-coating materials</p> <p>Children's metal products</p>	<p>Chemical tests :- (cont'd)</p> <p>- Total element content</p> <p>- Total lead content</p> <p>- Total lead content</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 F2853-10 (2015 reapproved) (For the determination of total element content in non-PVC plastic substrates only)</p> <p>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</p> <p>ASTM F2853-10 (2015 reapproved) (For the determination of lead in paint layers and similar coatings on plastic and metal substrates only)</p> <p>US Public Law 110 -314 Consumer Product Safety Improvement Act 2008 <i>Test Procedures for Compliance testing:</i> CPSC Test Method: CPSC-CH-E1001-08.1 Standard Operating Procedure for Determining Total Lead (Pb) in Metal Children's Products (including Children's Metal Jewelry), June 21, 2010.</p> <p>CPSC Test Method: CPSC-CH-E1001-08.2 Standard Operating Procedure for Determining Total Lead (Pb) in Metal Children's Products (including Children's Metal Jewelry), April 10, 2012. < Excluding the following > XRF spectrometry</p> <p>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.</p>

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Toys and Children's Products 玩具及兒童產品

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Children's non-metal products	Chemical tests :- (cont'd) - 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-E1002-08.1 Standard Operating Procedure for Determining Total Lead (Pb) in Non-Metal Children's Products, June 21, 2010. CPSC Test Method: CPSC-CH-E1002-08.2 Standard Operating Procedure for Determining Total Lead (Pb) in Non-Metal Children's Products, April 10, 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. ASTM F2853-10 (2015 reapproved) (For the determination of lead in non-PVC plastic and glass substrates only)

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Toys – surface coating material	Chemical tests (cont'd) :- - Total lead content - Total mercury content - Leachable arsenic, selenium, cadmium, antimony and barium	Canada Toys Regulations SOR/2011-17 Section 23 Canada Toys Regulations SOR/2011-17 Section 23 (amended to SOR/2016-195) <i>Test procedures 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 (2008-11-13): Determination of Total Lead in Surface Coating Materials in Consumer Products 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 procedures for compliance testing:</i> In-house method TG-T&M-C-022 SOP 4 (ICP-MS) <i>Test procedures for compliance testing:</i> Health Canada Product Safety Reference manual Book 5 – Laboratory Policies and Procedures Part B: Test Methods Section, Method C-03 (2009-06-15): (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 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 (cont'd) :- - Total lead content - Total lead content	Canada Surface Coating Materials Regulations (SOR/2005-109), Section 7.2 <i>Test procedures 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 (2008-11-13): Determination of Total Lead in Surface Coating Materials in Consumer Products 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/2016-193), Section 6a <i>Test procedures 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/2005-109), Section 7.3 <i>Test procedures 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 (2008-11-13): Determination of Total Lead in Surface Coating Materials in Consumer Products 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 (cont'd) :- - Total lead content	Canada Surface Coating Materials Regulations (SOR/2016-193), Section 6b <i>Test procedures 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 procedures for compliance testing:</i> In-house method TG-T&M-C-022 SOP 4 (ICP-MS)
Pacifiers, rattles and teethingers	- DEHP	ASTM F963-07(e1) 4.3.8 ASTM F963-08 4.3.8 ASTM F963-11 4.3.8 ASTM F963-16 4.3.8 ASTM F963-17 4.3.8 <i>Test procedures for compliance testing:</i> ASTM D3421-75 (with modifications)
All toys	- Migration of the elements antimony, arsenic, barium, cadmium, chromium, lead, mercury, selenium	AS/NZS ISO 8124.3: 2003 AS/NZS ISO 8124.3: 2012 + Amdt 1: 2016 EN 71-3: 1994 + A1: 2000 + AC: 2002 ISO 8124-3: 2010 + A1: 2014 MS ISO 8124-3: 2002 ISO 8124-3: 2010 + Amd 2: 2018

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Toys 玩具	Chemical tests (cont'd) :- - Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium - 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 procedures for compliance testing:</i> GB 6675.4: 2014 GB 6675.1-2014 Cl. 5.3.7 <i>Test procedures 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> Sulphuric acid test, Molisch Test and FT-IR
Stuffing Materials	- Objectionable matter in loose fillers	ASTM F963-07(e1) 4.3.7 ASTM F963-08 4.3.7 ASTM F963-11 cl. 4.3.7 < Excluding the following > Requirements of Title 34, Chapter 47, Section 47.317, "Tolerance of the Commonwealth of Pennsylvania Regulation for Stuffed Toys" <i>Test procedure for compliance testing:-</i> In house method TG-T&M-C-021
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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All toys' materials	Chemical tests :- (cont'd) - Colouring matters	Japan Toy Safety Standard ST 2016 Second Edition (2018.5.30) Part 3 (based on English version provided by JTA) Cl. 1.1
Materials which are mainly composed of polyethylene, polyvinyl chloride (excluding parts on which paint coating is applied)	- Consumption of potassium permanganate - Residue on evaporation - Heavy metals - Arsenic - Cadmium (excluding materials mainly composed of polyethylene)	Cl. 1.2
Decalcomania, folder paper and rubber-made toys (excluding rubber pacifiers)	- Heavy metals - Arsenic	Cl. 1.3
Vinyl chloride resin coating	- Consumption of potassium permanganate - Residue on evaporation	Cl. 1.4
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)	- Heavy metals: 8 elements (antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium)	Cl. 1.5
Textile products used for toys	- Free formaldehyde	Cl. 1.6 < <i>Excluding the following</i> > Confirmation test by HPLC
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
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)	- 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)	Cl. 1.9 < <i>Excluding the following</i> > Cl. 1.9.3
Metals used for toy (neither painted nor covered)	- Lead	Cl. 1.11

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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 (cont'd):-</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 Section A Paragraph 1</p> <p>Part III Section A Paragraph 2</p> <p>Part III Section A Paragraph 4</p> <p>Part III Section A Paragraph 5</p> <p>Part III Section A Paragraph 6</p> <p>Part III Section A Paragraph 7</p> <p><i>Test Procedures for compliance testing:</i></p> <p>ST2016 Second Edition (2018.5.30), Part 3, Cl. 2.10 (for PVC, rubber and PU)</p> <p>CPSC Test Method: CPSC-CH-C1001-09.3 Standard Operating Procedure for Determination of Phthalates, 1 April 2010 (for any other plasticized materials)</p>

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<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>Chemical tests (cont'd):-</p> <p>- Di-isononyl phthalate (DINP)</p> <p>- Di-isodecyl phthalate (DIDP)</p> <p>- Di-isononyl phthalate (DINP)</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>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 Section A Paragraph 8 <i>Test Procedures for compliance testing:</i> ST2016 Second Edition (2018.5.30), Part 3 Cl. 2.10</p> <p>Part III Section A Paragraph 9 <i>Test Procedures for compliance testing:</i> ST2016 Second Edition (2018.5.30), Part 3, Cl. 2.10 (for PVC, rubber and PU) 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 Section A Paragraph 10</p> <p>Part III Section A Paragraph 11</p>

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Synthetic resin-based colouring agents used in the manufacture of toys	Chemical tests (cont'd):- - Colouring agent	Specifications and Standards for Foods, Food Additives, etc. under the Food Sanitation Act (ABSTRACTS) 2010, JETRO April 2011, Part V "TOYS" <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) Part III Section B
Toys made of PVC plastic materials only (cutlery and feeding utensils, excluding feeding bottles, teats, spouts, cups and childcare articles)	- 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) < <i>Excluding the following</i> > 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 procedures for compliance testing:-</i> CPSC Test method: CPSC-CH-C1001-09.3 Standard Operating Procedure for Determination of Phthalates, 1 April 2010
Toys and childcare articles	- Dibutyl Phthalate (DBP) - Di-(2ethylhexyl) phthalate (DEHP) - Benzyl Butyl Phthalate (BBP) - Di-n-octyl phthalate (DnOP) - Diisononyl phthalate (DINP) - Diisodecyl phthalate (DIDP)	US Public Law 110 -314 Consumer Product Safety Improvement Act 2008 <i>Test Procedures for Compliance testing:</i> 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)

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<p>Toys and childcare articles</p> <p>Toys</p> <p>Category I toy materials: Dry, brittle, powder like or pliable materials</p> <p>Category II toy materials: Liquid or sticky materials</p>	<p>Chemical tests :- (cont'd)</p> <ul style="list-style-type: none"> - 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) <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 Tetrabutyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Triphenyl 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 Tetrabutyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Triphenyl tin</p>	<p>US 16 CFR Part 1307 CPSC Test Method: CPSC-CH-C1001-09.4 Standard Operating Procedure for Determination of Phthalates</p> <p>BS EN 71-3: 2013 + A1: 2014 EN 71-3:2013 + A1: 2014 EN 71-3:2013 + A2: 2017 EN 71-3:2013 + A3: 2018</p> <p>Technique used: ICP-OES and ICP-MS</p> <p>Technique used: LC-ICP-MS</p> <p>Technique used: GC-MS</p> <p>Technique used: ICP-OES and ICP-MS</p> <p>Technique used: LC-ICP-MS</p> <p>Technique used: GC-MS</p>

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Category III toy materials: Scraped-off materials	Chemical tests :- (cont'd) Aluminium, Antimony, Arsenic, Barium, Boron, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Selenium, Strontium, Tin and Zinc Chromium (VI) Chromium (III) (by calculation) 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	Technique used: ICP-OES Technique used: LC-ICP-MS Technique used: GC-MS

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Toys	Flammability tests : -	<p>Japan Toy Safety Standard ST2016 Second Edition (2018.5.30) Part 2 (based on English version provided by JTA in June 2018) < <i>Excluding the following</i> > Tests for flammable gel, extremely flammable liquid, highly flammable liquid, flammable gas; viscosity test</p> <p>MS ISO 8124-2: 2008 < <i>Excluding the following</i> > for the above two standards Tests for highly flammable solid, flammable gel, highly flammable liquid, flammable gas; viscosity Test</p> <p>ISO 8124-2: 2014 AS/NZS 8124-2: 2016 < <i>Excluding the following</i> > for the above two standards 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 < <i>Excluding the following</i> > for the above two standards Tests for flammable gel, extremely flammable liquid, highly flammable liquid, flammable gas; viscosity test</p>

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Toys 玩具	Flammability tests : - (cont'd) 燃燒測試 : - (續上)	GB 6675.1: 2014 Cl. 5.2, and GB 6675.3: 2014 <Excluding the following 不包含> Tests for flammable gas, highly flammable liquid, highly flammable solid and flammable gels; viscosity test 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 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) Sections 32, 33 and 34

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Aqueous water	Microbiological tests:- - Heterotrophic plate count - 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 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 and 7.9.4.2 Bacterial Confirmation: Section 7.9.4.4
Toy cosmetics, liquids, pastes, putties, gels, and powders < Excluding the following > - avian feather products	Cleanliness of Materials - Microbial Enumeration Tests - Tests for Specified Microorganisms	ASTM F963-17 Clause 4.3.6.3 and 8.4.1 <i>Test Procedures for compliance testing:</i> The United States Pharmacopeia 42 (2019), General Ch. <61> <i>Test Procedures for compliance testing:</i> The United States Pharmacopeia 42 (2019), General Ch. <62>

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Toys	Physical and mechanical tests :- (cont'd) - Safety requirements and test methods	BS EN 71-1: 2014 EN 71-1: 2014 BS EN 71-1: 2014 + A1: 2018 EN 71-1: 2014 + A1: 2018 <Excluding the following> for the above four 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 (toys with a ball attached by a string, elastic similar such that the ball is suspended freely) and 5.10 (toys with a ball attached by a string, elastic similar such that the ball is suspended freely); tests for large and bulky toys
Toys	- Safety requirements and test methods	Japan Toy Safety Standard ST2016 Second Edition (2018.5.30) Part 1 (based on English version provided by JTA) in June 2018) <Excluding the following> Cl. 4.12.2, 4.15, 4.16.2.2, 4.18.3.1, 4.22c), 4.23 (pull and push toys, hand-activated spring-propelled toys), tests for large and bulky toys
Toys 玩具	- Safety requirements and test methods 安全規定及測試方法 - Instructions for use of toys 玩具使用說明	GB 6675.1: 2014 Cl. 5.1.1 to 5.1.11, 5.5.2, 5.7, and GB 6675.2: 2014 <Excluding the following 不包含> Cl. 4.12.2, 4.16.2.2, 4.20, 4.21, 4.22, 4.25c), 4.28 (test for push and pull toys and hand-activated spring-propelled toys 推拉玩具和手動彈簧驅動玩具的測試) GB/T 5296.5-2006

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Toys	Physical and mechanical tests :- (cont'd) 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 4.24, 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 toys and hand-activated spring-propelled toys), 4.6.2 and 4.20.1 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 toys), 29(c), 29(d)