



Consumer Testing Laboratories (Far East) Ltd.

ADDRESS : Units 703-704, 7/F., Riley House, 88 Lei Muk Road, Kwai Chung, New Territories, Hong Kong
地址 香港新界葵涌梨木道 88 號達利中心七樓 703-704 室

ENQUIRY : Mr Joseph SIN Wing-tat, Quality Assurance Manager
查詢 冼永達先生，品質保證經理

TELEPHONE : 2943 4692
電話

FAX : 2480 4758
傳真

E-MAIL : joseph.sin@ul.com
電郵

WEBSITE ADDRESS : www.consumertesting.com
網址

CLIENTELE : Public
服務對象 公眾



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ACCREDITED TEST : Chemical Testing 化學測試
CATEGORY Food 食品
認可測試類別 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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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
<p>Products intended to come into direct contact with skin and piercing parts</p>	<p>Chemical tests:- - Release of nickel</p>	<p>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 1811: 2011 + A1: 2015 EN 12472: 2005 + A1: 2009</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
Food containers (Ceramic ware)	Toxicology tests :- Leachable lead and cadmium	USFDA Compliance Policy Guides Section 545.400 (CPG7117.06) and Section 545.450 (CFG 7117.07) <i>Test procedure for compliance testing</i> AOAC Official Methods 973.32 (2005) AOAC Official Methods 973.82 (2005) ASTM C738-94 (2016)
Food containers (lip & rim areas of glass tumblers)	Leachable lead and cadmium	ASTM C927-80 (2014)
Food containers(Plastic ware) - Nylon resins	Specific gravity, melting point, solubility, and extractable fractions	US FDA 21 CFR 177.1500(b)(1-12, 13.3, 15) and (d) (1-4)
- Polystyrene (PS) and rubber modified polystyrene	Total residual styrene monomer	US FDA 21 CFR 177.1640(c) and (d) (with modification)
Polycarbonate (PC) polymer of food container	Bisphenol A (Total)	In-house method 9-56HK SOP

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Physical and Mechanical Testing 物理及機械測試		
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Lenses in eyeglasses, sunglasses and fashion eyewear	Spectacles testing:- - Impact-resistance test	21 CFR 801.410 (d)(2) ANSI Z80.3-2015, cl. 4.2 & 5.1

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Textiles and Garments 紡織品及成衣		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
General Textiles and Garments	Care performance tests :-	
	- Dimensional stability to washing	AATCC Test Method 135-2015 AATCC Test Method 150-2012
	- Skewness after washing	AATCC Test Method 179-2012
	Chemical analysis :-	
	- Free formaldehyde content	JIS L 1041: 2011 Section 8.1 Methods A and B
	- pH value	AATCC Test Method 81-2016
	Colour fastness tests :-	
	- Light	AATCC Test Method 16.3-2014 (Option 3) (rating determined by AATCC Gray Scale)
	- Perspiration	AATCC Test Method 15-2013 (rating determined by AATCC Gray Scale)
	- Rubbing/crocking	AATCC Test Method 8-2016 AATCC Test Method 116-2013 (for above two standards: rating determined by AATCC Gray Scale)
	- Seawater	AATCC Test Method 106-2013 (rating determined by AATCC Gray Scale)
	- Spotting (water)	AATCC Test Method 104-2014 (rating determined by AATCC Gray Scale)
	- Washing	AATCC Test Method 61-2013 Test Nos. 1A, 2A and 3A (rating determined by AATCC Gray Scale)
	- Water	AATCC Test Method 107-2013 (rating determined by AATCC Gray Scale)
	Construction tests :-	
- Fabric weight	ASTM D3776/D3776M-09a (2017) Option C	
- Threads per unit length, woven	ASTM D3775-12	

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General Textiles and Garments	Fabric performance tests :- - Pilling resistance (Martindale abrasion tester) - Soil release performance - Water repellency - Water resistance Fiber analysis :- - Fiber content (Qualitative method) - Fiber content (Quantitative method - mechanical separation and chemical analysis) Flammability test :- - 45 degree angle test Strength tests :- - Tearing strength (Falling pendulum (Elmendorf type) apparatus) - Tensile strength (Grab method)	ASTM D4970/D4970M-16 AATCC Test Method 130-2015 AATCC Test Method 22-2017 AATCC Test Method 35-2013 AATCC Test Method 20-2013 <i><Excluding the following></i> Cl. 9.4 (Refractive index), 9.6 (Density), 9.8 (Drying Twist Test), 9.9 (Stain Tests), 9.10 (Melting Point) and 9.11 (Micro-FTIR) AATCC Test Method 20A-2014 US 16 CFR Part 1610 ASTM D1424-09 (2013)e1 ASTM D5034-09 (2017) <i><Excluding the following></i> Cl. 9.3 (Modified Grab Test)

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Specific Products :- - Carpet and rugs - Children's sleepwear - Mattresses and mattress pads Other materials :- - Vinyl plastic film - Snap fasteners	Flammability tests :- - Method for determining the surface flammability when exposed to a methenamine tablet - Vertical test - Resistance to ignition (when exposed to a lighted cigarette) General requirements Mattress test procedures Mattress pad test procedures - Flammability of vinyl plastic film Strength tests :- - Holding strength of prong-ring attached snap fasteners	US 16 CFR Part 1630 US 16 CFR Parts 1615 and 1616 US 16 CFR part 1632 US 16 CFR part 1632.3 US 16 CFR part 1632.4 US 16 CFR part 1632.5 US 16 CFR Part 1611 ASTM D7142-05 (2016) Option 1

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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 and other articles intended for use by children</p> <p>- paint and other similar surface-coating materials</p> <p>- plastic, polymer and other non-siliceous materials</p> <p>- metal</p>	<p>Chemical tests :-</p> <p>- Total lead content</p> <p>- Total lead content</p> <p>- Total lead content</p>	<p>US Public Law 110 -314 (HR4040) Consumer Product Safety Improvement Act 2008 US 16 CFR Part 1303</p> <p><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</p> <p>< <i>Excluding the following</i> > Composite testing ASTM F2853-10e1 ASTM F2853-10 (Reapproved 2015)</p> <p><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</p> <p>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</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><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>< <i>Excluding the following</i> > Hot block method</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</p> <p>< <i>Excluding the following</i> > Hot block method</p>

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Toys and Children's Products 玩具及兒童產品		
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<p>- metal (Cont'd)</p> <p>Toys and other articles intended for use by children</p> <p>- glass</p>	<p>Chemical tests :- (cont'd)</p> <p>- Total lead content</p> <p>- Total lead content</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 <i>< Excluding the following ></i> Hot block method</p> <p>US Public Law 110 -314 (HR4040) Consumer Product Safety Improvement Act 2008 US 16 CFR Part 1303 (cont'd)</p> <p><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 Product, June 21, 2010 <i>< Excluding the following ></i> XRF method</p> <p>CPSC Test method: CPSC-CH-E1002-08.2 Standard Operating Procedure for Determining Total Lead (Pb) In Non-metal Children's Product, April 10, 2012 <i>< Excluding the following ></i> XRF method</p> <p>CPSC Test method: CPSC-CH-E1002-08.3 Standard Operating Procedure for Determining Total Lead (Pb) In Non-metal Children's Product, November 15, 2012 <i>< Excluding the following ></i> XRF method</p>
<p>- children's products</p>	<p>- Phthalate</p>	<p><i>Test procedures for compliance testing:</i> CPSC Test method: CPSC-CH-C1001-09.3 Standard Operating Procedure for Determining Phthalate, April 1, 2010</p>

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<p>Toys and other articles intended for use by children</p> <ul style="list-style-type: none"> - paint and other similar surface-coating materials - plastic, polymer and other non-siliceous materials - metal - glass <p>Toys-paint and similar surface-coating materials</p> <p>Toys-substrate materials</p> <p>Metallic toys or metallic toy components</p>	<p>Chemical tests :- (cont'd)</p> <ul style="list-style-type: none"> - Total cadmium content - Total cadmium content - Total cadmium content - Total cadmium content - Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium - Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium - Extractable Cadmium 	<p>In-house method 9-107HK SOP by ICP-OES</p> <p>In-house method 9-106HK SOP by ICP-OES</p> <p>In-house method 9-105HK SOP by ICP-OES</p> <p>In-house method 9-108HK SOP by ICP-OES</p> <p>ASTM F963-11 Clause 4.3.5.1 (2) <i>Test procedure for compliance testing:</i> Clauses 8.3.2 – 8.3.4</p> <p>ASTM F963-11 Clause 4.3.5.2(b) <i>Test procedure for compliance testing:</i> Clause 8.3.5</p> <p>ASTM F963-11 Clause 4.3.5.2(c) <i>Test procedure for compliance testing:</i> Clause 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-paint and similar surface-coating materials	Chemical tests :- (cont'd) - Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium	ASTM F963-16 Clause 4.3.5.1 (2) <i>Test procedure for compliance testing:</i> Clauses 8.3.2 – 8.3.4
Toys substrate materials	- Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium	ASTM F963-16 Clause 4.3.5.2(2)(b) <i>Test procedure for compliance testing:</i> Clause 8.3.5
Metallic toys or metallic toy components	- Extractable Cadmium	ASTM F963-16 Clause 4.3.5.2(2)(c) <i>Test procedure for compliance testing:</i> Clause 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-paint and similar surface-coating materials	- Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium	ASTM F963-17 Clause 4.3.5.1 (2) <i>Test procedure for compliance testing:</i> Clauses 8.3.2 – 8.3.4
Toys substrate materials	- Migration of the elements Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium	ASTM F963-17 Clause 4.3.5.2(2)(b) <i>Test procedure for compliance testing:</i> Clause 8.3.5
Metallic toys or metallic toy components	- Extractable Cadmium	ASTM F963-17 Clause 4.3.5.2(2)(c) <i>Test procedure for compliance testing:</i> Clause 8.3.5.5(3) and CPSC Test Method: CPSC-CH-E1004-11 Standard Operating Procedure for Determining Cadmium (Cd) Extractability from Children's Metal Jewelry February 03, 2011

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All toys	Physical and mechanical tests :- Safety requirements: - Small objects - Accessible edges - Accessible points - Pompoms Test method	ASTM F963-11 4.6 < Excluding the following > 4.6.2 4.7 < Excluding the following > 4.7.5 4.9 4.35 8 < Excluding the following > 8.7.3 and 8.7.4 ASTM F963-16 4.6 < Excluding the following > 4.6.2 4.7 < Excluding the following > 4.7.5 4.9 4.35 8 < Excluding the following > 8.7.3 and 8.7.4

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All toys	Physical and mechanical tests :- Safety requirements: - Small objects - Accessible edges - Accessible points - Pompoms Test method	ASTM F963-17 4.6 < <i>Excluding the following</i> > 4.6.2 4.7 < <i>Excluding the following</i> > 4.7.5 4.9 4.35 8 < <i>Excluding the following</i> > 8.7.3 and 8.7.4

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Toys and other articles intended for use by children under 8 years of age	Physical and mechanical tests :- (cont'd)	
	- Technical requirements for determining a sharp point in toys intended for use by children under 8 years of age	16 CFR 1500.48
	- Technical requirements for determining a sharp metal or glass edge in toys intended for use by children under 8 years of age	16 CFR 1500.49
	- Test methods for simulating use and abuse of toys intended for use by children - Impact test - Flexure test - Torque test - Tension test - Compression test	16 CFR 1500.50, 1500.51, 1500.52 and 1500.53
	- Method for identifying choking, aspiration, or ingestion hazards because of small parts	16 CFR 1501 in conjunction with test methods specified in 16 CFR 1500.51 or 16 CFR 1500.52 [excluding bite test to 1500.51(c) or 1500.52 (c)]
Dive sticks	- Identification of banned toys	16 CFR 1500.18(a)(19) in conjunction with test methods specified in 16 CFR 1500.86(a)(7) or 16 CFR 1500.86(a)(8)
Infant rattles	- Method for identifying choking and/or suffocation hazards	16 CFR 1510 in conjunction with test methods specified in 16 CFR 1500.51 [excluding bite test to 1500.51(c)]
Pacifiers	- Requirement for pacifiers	16 CFR 1511