

# Schedule

GIC Testing & Inspection Services Pte Ltd  
158 Kallang Way  
#08-01 Performance Building  
Singapore 349245

Certificate No. : LA-2019-0738-A  
Issue No. : 5  
Date : 5 May 2023  
Expiry of Certificate : 17 December 2023  
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FIELD OF TESTING : Chemical & Biological Testing

MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
<b>A Textiles / Toys / Children's Products / Furniture / Footwear / Jewelry / Stationery / Upholstery Materials / Surface Coating / Fabric / Leather / Metal / Paint / Paper / Wood / Coloured Materials / Plastics</b>	1. Total Lead Content / Total Cadmium Content / Total Heavy Metals Content	<ul style="list-style-type: none"> <li>• CPSC-CH-E1001-08.3</li> <li>• CPSC-CH-E1002-08.3</li> <li>• CPSC-CH-E1003-09.1</li> <li>• ASTM F963-17 Section 8.3.1</li> <li>• 16 CFR 1303 Ban of Lead-Containing Paint and Certain Consumer Products Bearing Lead-Containing Paint</li> <li>• BS EN 1122: 2011</li> </ul> <p>Specifications / Regulations:</p> <ul style="list-style-type: none"> <li>• ASTM F963-17 Section 4.3.5.1 and Section 4.3.5.2</li> <li>• CPSIA 2008 Section 101 Children's Products Containing Lead; Lead Paint Rule</li> <li>• REACH Regulation (EC) No. 1907/2006 Annex XVII Entry 23 and Entry 63</li> <li>• Surface Coating Materials Regulations, SOR/2016-193</li> <li>• Consumer Products Containing Lead Regulations, SOR/2018-83</li> <li>• Toys Regulations, SOR/2011-17 Clause 23(a) and Clause 23(c)</li> <li>• Netherlands 1999 Cadmium Decree</li> <li>• United Kingdom Environmental Protection (Controls on Injurious Substances (No. 2) Regulations 1993 No. 1643 for cadmium content</li> <li>• Swedish Ordinance SFS 1998: 944</li> <li>• Directive 94/62/EC</li> </ul>

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	2. Extractable Lead and Cadmium Content	<ul style="list-style-type: none"> <li>• CPSC-CH-E1004-11</li> </ul> <p>Specifications / Regulations:</p> <ul style="list-style-type: none"> <li>• ASTM F963-17 Section 4.3.3.2</li> </ul>
	3. Migration of Certain Elements	<ul style="list-style-type: none"> <li>• BS EN 71-3: 2019</li> <li>• ASTM F963-17 Section 8.3.2 to 8.3.4</li> <li>• BS EN 14350-2: 2004 Clause 5.2</li> <li>• BS EN 1400: 2013 + A2: 2018 Clause 10.3.1</li> <li>• ISO 8124-3: 2010</li> <li>• AS/NZS ISO 8124.3: 2021</li> </ul> <p>Specifications / Regulations:</p> <ul style="list-style-type: none"> <li>• ASTM F963-17 Section 4.3.5.2 (2)(b)</li> <li>• Toys Regulations, SOR/2011-17 Clause 23(b)</li> </ul>
	4. Phthalates Content	<ul style="list-style-type: none"> <li>• CPSC-CH-C1001-09.4</li> <li>• BS EN ISO 14389: 2014</li> <li>• BS EN 14372: 2004 Section 6.3.2</li> <li>• ISO 8124-6: 2018</li> <li>• GB/T 22048-2015</li> <li>• DD CEN ISO/TS 16181: 2011</li> </ul> <p>Specifications / Regulations:</p> <ul style="list-style-type: none"> <li>• CPSIA 2008 Section 108 Prohibition On Sale of Certain Products Containing Specified Phthalates</li> <li>• REACH Regulation (EC) No. 1907/2006 Annex XVII Entry 51 and 52</li> <li>• Directive 2005/84/EC</li> <li>• Phthalates Regulations SOR/2016-188</li> </ul>
	5. Polycyclic Aromatic Hydrocarbons Content	<ul style="list-style-type: none"> <li>• BS EN 16181:2018</li> <li>• BS ISO 21461:2012</li> <li>• ZEK 01.4-08</li> <li>• AfPS GS 2014:01 PAK Testing and Assessment of Polycyclic Aromatic Hydrocarbons</li> <li>• AfPS GS 2019:01 PAK Testing and Assessment of Polycyclic</li> </ul>

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		Aromatic Hydrocarbons  Specifications / Regulations: • REACH Regulation (EC) No. 1907/2006 Annex XVII Entry 50  • BS EN 71-10:2005 Section 4, 5, 8 • BS EN 71-11:2005 Section 5.3  Specifications / Regulations: • BS EN 71-9:2005+A1:2007
<b>B Textiles / Leather / Upholstery Materials</b>	6. Organic Chemical Compounds a. Colourants	
	1. Formaldehyde Content	• BS EN ISO 14184-1: 2011 • AATCC 112-2020 • GB/T 2912.1-2009
<b>C Textiles / Apparel / Upholstery Materials</b>	1. Colourfastness to Perspiration	• AATCC 15-21e • BS EN ISO 105-E04: 2013 • GB/T 3922-2013
	2. Colourfastness to Saliva	• DIN 53160-1: 2010-10
	3. Colourfastness to Water	• AATCC 107-13e2 • BS EN ISO 105-E01: 2013 • GB/T 5713-2013
	4. Colourfastness to Water Spotting	• BS EN ISO 105-E07: 2010
<b>D Textiles / Upholstery Materials</b>	1. pH	• AATCC 81-2016 • BS EN ISO 3071: 2020 • GB/T 7573-2009
<b>E Products Intended To Come Into Direct Contact With Skin</b>	1. Nickel Release	• BS EN 1811: 2011 + A1: 2015 • BS EN 12472: 2020  Specifications / Regulations: • REACH Regulation (EC) No. 1907/2006 Annex XVII Entry 27 • Regulation (EC) No. 552/2009

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<b>F Electrical &amp; Electronic Products / Automotive</b>	1. RoHS	<ul style="list-style-type: none"> <li>• IEC 62321-1: 2013</li> <li>• IEC 62321-2: 2013</li> <li>• IEC 62321-4: 2017</li> <li>• IEC 62321-5: 2013</li> <li>• IEC 62321-6: 2015</li> <li>• IEC 62321-7-1: 2015</li> <li>• IEC 62321-7-2: 2017</li> <li>• IEC 62321-8: 2017</li> </ul> <p>Specifications / Regulations:</p> <ul style="list-style-type: none"> <li>• Directive 2011/65/EU</li> <li>• Directive 2000/53/EC</li> </ul>
<b>G Food Contact Materials</b>	1. Overall Migration  2. Specific Migration: a. Heavy Elements <i>(Except Ammonium)</i>	<ul style="list-style-type: none"> <li>• DIN EN 1186-1: 2002</li> <li>• DIN EN 1186-2: 2022</li> <li>• DIN EN 1186-3: 2022</li> <li>• DIN EN 1186-8: 2002</li> <li>• DIN EN 1186-9: 2002</li> <li>• DIN EN 1186-10: 2002</li> <li>• DIN EN 1186-11: 2002</li> <li>• DIN EN 1186-12: 2002</li> <li>• DIN EN 1186-13: 2002</li> <li>• BS EN 13130-1: 2004</li> </ul> <p>Specifications / Regulations:</p> <ul style="list-style-type: none"> <li>• Germany LFGB (LMBG) Food and Feed Law § 30, 31</li> <li>• FDA 21 CFR 175.300</li> <li>• FDA 21 CFR 177.1520</li> <li>• FDA 21 CFR 177.1640</li> <li>• FDA 21 CFR 177.2600</li> <li>• Directive (EC) 1935/2004</li> <li>• Regulation (EU) 10/2011</li> <li>• TIS 656-2556</li> <li>• MOPH Notification No. 435 B.E. 2022</li> </ul> <ul style="list-style-type: none"> <li>• DIN EN 1186-1: 2002</li> <li>• DIN EN 1186-2: 2022</li> <li>• DIN EN 1186-3: 2022</li> <li>• BS EN 13130-1: 2004</li> </ul>

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<b>H Metals</b>	b. Color Release	<p>Specifications / Regulations:</p> <ul style="list-style-type: none"> <li>• Directive (EC) 1935/2004</li> <li>• Regulation (EU) 10/2011</li> <li>• TIS 656-2556</li> <li>• MOPH Notification No. 435 B.E. 2022</li> </ul> <p>• DIN EN 1186-1: 2002</p> <p>• DIN EN 1186-2: 2022</p> <p>• DIN EN 1186-3: 2022</p> <p>• BS EN 13130-1: 2004</p> <p>Specifications / Regulations:</p> <ul style="list-style-type: none"> <li>• Directive (EC) 1935/2004</li> <li>• Regulation (EU) 10/2011</li> <li>• TIS 656-2556</li> <li>• TIS 655-2553 Part 1</li> <li>• MOPH Notification No. 435 B.E. 2022</li> </ul> <p>• DIN EN 1186-1: 2002</p> <p>• DIN EN 1186-2: 2022</p> <p>• DIN EN 1186-3: 2022</p> <p>• BS EN 13130-1: 2004</p> <p>• JETRO Specifications, Standards and Testing Methods for Foodstuffs, Implements, Containers and Packaging, Toys, Detergents 2008 Section II, B-1</p> <p>Specifications / Regulations:</p> <ul style="list-style-type: none"> <li>• Directive (EC) 1935/2004</li> <li>• Regulation (EU) 10/2011</li> <li>• TIS 656-2556</li> <li>• MOPH Notification No. 435 B.E. 2022</li> </ul>
	c. Organic Matter (in terms of Potassium Permanganate Consumed)	<p>• DIN EN 1186-1: 2002</p> <p>• DIN EN 1186-2: 2022</p> <p>• DIN EN 1186-3: 2022</p> <p>• BS EN 13130-1: 2004</p> <p>• JETRO Specifications, Standards and Testing Methods for Foodstuffs, Implements, Containers and Packaging, Toys, Detergents 2008 Section II, B-1</p> <p>Specifications / Regulations:</p> <ul style="list-style-type: none"> <li>• Directive (EC) 1935/2004</li> <li>• Regulation (EU) 10/2011</li> <li>• TIS 656-2556</li> <li>• MOPH Notification No. 435 B.E. 2022</li> </ul>
	1. Corrosion Resistance	<ul style="list-style-type: none"> <li>• ASTM B117-19</li> <li>• BS EN ISO 9227: 2017</li> </ul>

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## Approved Signatories

S/N	Name	Scope
1.	Ms Chong Siew Mee Suzen	- For all accredited tests.
2.	Mr Yap Kiat Keong Edmund	- For all accredited tests.

## Note:

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. A laboratory's fulfilment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and **management system requirements** that are necessary for it to consistently deliver technically valid test results. The **management system requirements** in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001.