

Schedule

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

Certificate No. : LA-2019-0739-G
Issue No. : 5
Date : 17 May 2023
Expiry Date : 17 December 2023
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FIELD OF TESTING : Mechanical Testing

MATERIALS / PRODUCTS TESTED	TESTS / PROPERTIES	STANDARD METHODS / TECHNIQUES / EQUIPMENT
A Textiles / Apparel / Upholstery Materials	1. Colourfastness to Crocking / Rubbing	AATCC 8-16e BS EN ISO 105-X12: 2016 GB/T 3920-2008
	2. Colourfastness to Laundering	AATCC 61-13e(2020) BS EN ISO 105-C06: 2010
	3. Dimensional Stability	AATCC 135-18 AATCC 150-18
	4. Drawstring Safety	ASTM F1816-18 BS EN 14682: 2014 16 CFR 1120.3(b)
	5. Flammability	16 CFR 1610 BS 5852: 2006 TB 117: 2013
	6. Resistance to Abrasion / Pilling	ASTM D4966-12 (2016) BS EN ISO 12947-1: 1998 BS EN ISO 12947-2: 2016 BS EN ISO 12947-3: 1999 BS EN ISO 12947-4: 1999 ASTM D3512 / D3512M-22 BS EN ISO 12945-2: 2020
	7. Tensile Strength	ASTM D5034-21 BS EN ISO 13934-1: 2013 BS EN ISO 13934-2: 2014
B Rubber / Plastic / Metal - Coated Material	1. Abrasion Resistance	ASTM D4060-19 BS EN ISO 5470-1: 2016

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C Toys	1. General Safety	ASTM F963-17 BS EN 71-1: 2014 + A1: 2018 ISO 8124-1:2022 AS/NZS ISO 8124.1: 2019 SOR/2011-17 TIS 685 Part 1-2540 (1997) TIS 685 Part 2-2540 (1997) TIS 685 Part 3-2540 (1997)
	2. Material Quality	ASTM F963-17 Section 4.1 BS EN 71-1: 2014 + A1: 2018 Section 4.1 ISO 8124-1:2022 Section 4.3.1 AS/NZS ISO 8124.1: 2019 Section 4.3.1 SOR/2011-17 Section 29 and 36
	3. Small Objects	ASTM F963-17 Section 4.6 16 CFR 1500.50 16 CFR 1501 BS EN 71-1: 2014 + A1: 2018 Section 5.1 and 8.2 ISO 8124-1:2022 Section 4.4 and 5.2 AS/NZS ISO 8124.1: 2019 Section 4.4 and 5.2 SOR/2011-17 Section 7 and 30
	4. Accessible Edges	ASTM F963-17 Section 4.7 16 CFR 1500.49 BS EN 71-1: 2014 + A1: 2018 Section 4.7 and 8.11 ISO 8124-1:2022 Section 4.6, 5.8 AS/NZS ISO 8124.1: 2019 Section 4.6 and 5.8 SOR/2011-17 Section 10 to 12
	5. Projections	ASTM F963-17 Section 4.8 BS EN 71-1: 2014 + A1: 2018 Section 4.9 ISO 8124-1:2022 Section 4.8 AS/NZS ISO 8124.1: 2019 Section 4.8

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	6. Accessible Points	ASTM F963-17 Section 4.9 16 CFR 1500.48 BS EN 71-1: 2014 + A1: 2018 Section 4.5, 4.7, 4.8, 4.9, 5.1 and 8.12 ISO 8124-1:2022 Section 4.7 and 5.9 AS/NZS ISO 8124.1: 2019 Section 4.7 and 5.9
	7. Wires or Rods	ASTM F963-17 Section 4.10 and 8.12 16 CFR 1500.51 – 53 (d) BS EN 71-1:2014 + A1: 2018 Section 4.8 and 8.13 ISO 8124-1:2022 Section 4.9, 5.24.6 and 5.24.8 AS/NZS ISO 8124.1: 2019 Section 4.9, 5.24.6 and 5.24.8 SOR/2011-17 Section 8, 9
	8. Nails and Fasteners	ASTM F963-17 Section 4.11 SOR/2011-17 Section 13 and 28
	9. Plastic Film	ASTM F963-17 Section 4.12 and 8.22 BS EN 71-1: 2014 + A1: 2018 Section 6 and 8.25 ISO 8124-1:2022 Section 4.10 and 5.10 AS/NZS ISO 8124.1: 2019 Section 4.10 and 5.10 SOR/2011-17 Section 4
	10. Folding Mechanisms and Hinges	ASTM F963-17 Section 4.13 and 8.26 ISO 8124-1:2022 Section 4.12 and 5.22 AS/NZS ISO 8124.1: 2019 Section 4.12 and 5.22
	11. Cords, Straps, and Elastics	ASTM F963-17 Section 4.14, 8.23 BS EN 71-1:2014+A1:2018 Section 5.4, 5.14, 5.15, 8.20, 8.36, and 8.38 to 8.41 ISO 8124-1:2022 Section 4.11 and 5.11 AS/NZS ISO 8124.1: 2019 Section 4.11 and 5.11 SOR/2011-17 Section 41

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	12. Stability and Over-Load Requirements	ASTM F963-17 Section 4.15, 8.15, 8.21 and 8.28 BS EN 71-1: 2014 + A1: 2018 Section 4.15, 8.21 to 8.23, 8.26, 8.27 and 8.29 ISO 8124-1:2022 Section 4.15 and 5.12 AS/NZS ISO 8124.1: 2019 Section 4.15 and 5.12 SOR/2011-17 Section 18
	13. Confined Spaces	ASTM F963-17 Section 4.16 BS EN 71-1: 2014 + A1: 2018 Section 4.14 and 8.31 ISO 8124-1:2022 Section 4.16 and 5.13 AS/NZS ISO 8124.1: 2019 Section 4.16 and 5.13 SOR/2011-17 Section 17
	14. Wheels, Tires, and Axles	ASTM F963-17 Section 4.17
	15. Holes, Clearance, and Accessibility of Mechanisms	ASTM F963-17 Section 4.18 BS EN 71-1: 2014+A1:2018 Section 4.10 and 8.18 ISO 8124-1:2022 Section 4.13 and 4.14 AS/NZS ISO 8124.1: 2019 Section 4.13 and 4.14 SOR/2011-17 Section 14 and 15
	16. Simulated Protective Devices	ASTM F963-17 Section 4.19 ISO 8124-1:2022 Section 4.17 and 5.14 AS/NZS ISO 8124.1: 2019 Section 4.17 and 5.14
	17. Pacifiers	ASTM F963-17 Section 4.20 16 CFR 1511 ISO 8124-1:2022 Section 4.5.5 AS/NZS ISO 8124.1: 2019 Section 4.5.5
	18. Teethers and Teething Toys	ASTM F963-17 Section 4.22 16 CFR 1510 BS EN 71-1: 2014 + A1: 2018 Section 5.8 and 8.16

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	19. Rattles	ASTM F963-17 Section 4.23 16 CFR 1510 BS EN 71-1: 2014 + A1: 2018 Section 5.8 and 8.16 ISO 8124-1:2022 Section 4.5.1 and 5.3 AS/NZS ISO 8124.1: 2019 Section 4.5.1 and 5.3 SOR/2011-17 Section 40
	20. Squeeze Toys	ASTM F963-17 Section 4.24 16 CFR 1510 BS EN 71-1: 2014 + A1: 2018 Section 5.8 and 8.16 ISO 8124-1:2022 Section 4.5.1 and 5.3 AS/NZS ISO 8124.1: 2019 Section 4.5.1 and 5.3
	21. Battery-Operated Toys	ASTM F963-17 Section 4.25
	22. Toys Intended to be Attached to a Crib or Playpen	ASTM F963-17 Section 4.26
	23. Stuffed and Beanbag-Type Toys	ASTM F963-17 Section 4.27
	24. Toy Gun Marking	ASTM F963-17 Section 4.30 ISO 8124-1:2022 Annex D AS/NZS ISO 8124.1: 2019 Annex D
	25. Balloons	ASTM F963-17 Section 4.31 16 CFR 1500.19 BS EN 71-1: 2014 + A1: 2018 Section 4.12 ISO 8124-1:2022 Section 4.5.6 AS/NZS ISO 8124.1: 2019 Section 4.5.6
	26. Certain Toys with Nearly Spherical Ends	ASTM F963-17 Section 4.32 BS EN 71-1: 2014 + A1: 2018 Section 5.11, 5.12 and 8.16 ISO 8124-1:2022 Section 4.5.4 and 5.6 AS/NZS ISO 8124.1: 2019 Section 4.5.4 and 5.6

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	27. Marbles	ASTM F963-17 Section 4.33 16 CFR 1500.19 ISO 8124-1:2022 Section 4.5.7 AS/NZS ISO 8124.1: 2019 Section 4.5.7
	28. Balls	ASTM F963-17 Section 4.34 16 CFR 1500.19 BS EN 71-1: 2014 + A1: 2018 Section 4.22, 5.10 and 8.32 ISO 8124-1:2022 Section 4.5.2 and 5.4 AS/NZS ISO 8124.1: 2019 Section 4.5.2 and 5.4
	29. Pompoms	ASTM F963-17 Section 4.35 and 8.16 ISO 8124-1:2022 Section 4.5.3 and 5.5 AS/NZS ISO 8124.1: 2019 Section 4.5.3 and 5.5
	30. Hemispheric-Shaped Objects	ASTM F963-17 Section 4.36 ISO 8124-1:2022 Section 4.5.8 AS/NZS ISO 8124.1: 2019 Section 4.5.8
	31. Jaw Entrapment in Handles and Steering Wheels	ASTM F963-17 Section 4.39
	32. Expanding Materials	ASTM F963-17 Section 4.40 and 8.30 BS EN 71-1: 2014 + A1: 2018 Section 4.6 and 8.14 ISO 8124-1:2022 Section 4.3.2 and 5.21 AS/NZS ISO 8124.1: 2019 Section 4.3.2 and 5.21
	33. Toy Chests	ASTM F963-17 Section 4.41 and 8.27
	34. Use and Abuse	ASTM F 963-17 Section 8.5 to 8.10 16 CFR 1500.50 – 53 BS EN 71-1: 2014 + A1: 2018 Section 8.3 to 8.9 ISO 8124-1:2022 Section 4.1 to 4.2 and 5.24 AS/NZS ISO 8124.1: 2019 Section 4.1 to 4.2 and 5.24

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	35. Impact Test	ASTM F963-17 Section 8.7 16 CFR 1500.51 – 53 (b) BS EN 71-1: 2014 + A1: 2018 Section 8.5 to 8.7 ISO 8124-1:2022 Clause 5.24.2 and 5.24.3 AS/NZS ISO 8124.1: 2019 Section 5.24.2 and 5.24.3
	36. Torque Test	ASTM F963-17 Section 8.8 16 CFR 1500.50 – 53 (e) BS EN 71-1: 2014 + A1: 2018 Section 8.3 ISO 8124-1:2022 Clause 5.24.5 AS/NZS ISO 8124.1: 2019 Section 5.24.5
	37. Tension Test	ASTM F963-17 Section 8.9 16 CFR 1500.50 – 53 (f) BS EN 71-1: 2014 + A1: 2018 Section 8.4 ISO 8124-1:2022 Section 5.24.6 AS/NZS ISO 8124.1: 2019 Section 5.24.6
	38. Compression Test	ASTM F963-17 Section 8.10 16 CFR 1500.50 – 53 (g) BS EN 71-1: 2014 + A1: 2018 Section 8.8 ISO 8124-1:2022 Section 5.24.7 AS/NZS ISO 8124.1: 2019 Section 5.24.7
	39. Tests for Tire Removal and Snap-in Wheel and Axle Assembly Removal	ASTM F963-17 Section 8.11
	40. Mouth-actuated Toys and Other Toys Intended to be Put in the Mouth	ASTM F963-17 Section 8.13 BS EN 71-1: 2014 + A1: 2018 Section 4.11 and 8.17 ISO 8124-1:2022 Section 4.26 and 5.20 AS/NZS ISO 8124.1: 2019 Section 4.26 and 5.20
	41. Flexible Plastic Sheeting	BS EN 71-1: 2014 + A1: 2018 Section 4.3, 5.3 and 8.25

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	42. Toy Bags	BS EN 71-1: 2014 + A1: 2018 Section 4.4 and 4.14
	43. Glass	BS EN 71-1: 2014 + A1: 2018 Section 4.5 and 5.7
	44. Cords of Toy Kites and Other Flying Toys	BS EN 71-1: 2014 + A1: 2018 Section 4.13 and 8.19 ISO 8124-1:2022 Section 4.11.11 and 5.11.6 AS/NZS ISO 8124.1: 2019 Section 4.11.11 and 5.11.6
	45. Toys Intended to Bear the Mass of a Child	BS EN 71-1: 2014 + A1: 2018 Section 4.15, 5.6, 8.21 to 8.23, 8.26, 8.27 and 8.29 ISO 8124-1:2022 Section 4.21 to 4.23, 4.27, 4.30, 5.12, 5.16, 5.17, 5.26 to 5.28 and 5.30 AS/NZS ISO 8124.1: 2019 Section 4.21 to 4.23, 4.27, 4.30, 5.12, 5.16 5.17, 5.26 to 5.28 and 5.30
	46. Heavy Immobile Toys	BS EN 71-1: 2014 + A1: 2018 Section 4.16 and 8.23
	47. Aquatic Toys and Inflatable Toys	BS EN 71-1: 2014 + A1: 2018 Section 4.18 ISO 8124-1:2022 Section 4.20 AS/NZS ISO 8124.1: 2019 Section 4.20
	48. Percussion Caps Specifically Designed for Use in Toys and Toys Using Percussion Caps	BS EN 71-1: 2014 + A1: 2018 Section 4.19 ISO 8124-1:2022 Section 4.28 AS/NZS ISO 8124.1: 2019 Section 4.28
	49. Toys Containing a Non-electrical Heat Source	BS EN 71-1: 2014 + A1: 2018 Section 4.21 and 8.30
	50. Toys Attached to Food	BS EN 71-1: 2014 + A1: 2018 Section 4.25 and 8.32
	51. Toy Disguise Costumes	BS EN 71-1: 2014 + A1: 2018 Section 4.26 and 8.38

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	52. Flying Toys	BS EN 71-1: 2014 + A1: 2018 Section 4.27, 8.4 and 8.43 ISO 8124-1:2022 Section 4.19 and 5.35 AS/NZS ISO 8124.1: 2019 Section 4.19 and 5.35
	53. Soft-filled Toys and Soft-filled Parts of a Toy	BS EN 71-1: 2014 + A1: 2018 Section 5.2
	54. Soaking Test	BS EN 71-1: 2014 + A1: 2018 Section 8.9
	55. Accessibility of a Part or Component	BS EN 71-1: 2014 + A1: 2018 Section 8.10 ISO 8124-1:2022 Section 5.7 AS/NZS ISO 8124.1: 2019 Section 5.7
	56. Toys Containing a Heat Source	ISO 8124-1:2022 Section 4.24 and 5.18 AS/NZS ISO 8124.1: 2019 Section 4.24 and 5.18
	57. Liquid-filled Toys	BS EN 71-1: 2014 + A1: 2018 Section 5.5, 8.15 ISO 8124-1:2022 Section 4.25 and 5.19 AS/NZS ISO 8124.1: 2019 Section 4.25 and 5.19
	58. Toys Containing Monofilament Fibres	BS EN 71-1: 2014 + A1: 2018 Section 5.9
	59. Suction Cups	BS EN 71-1: 2014 + A1: 2018 Section 5.13 and 8.32
	60. Labeling Requirements	ASTM F963-17 Section 5 BS EN 71-1: 2014 + A1: 2018 Section 7 ISO 8124-1:2022 Annex A and Annex B AS/NZS ISO 8124.1: 2019 Section Annex A and Annex B SOR/2011-17 Section 3
	61. Instructional Literature	ASTM F963-17 Section 6 BS EN 71-1: 2014 + A1: 2018 Section 4.2

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D Children's Furniture	62. Producer's Markings	ASTM F963-17 Section 7
	63. Flammability	ASTM F963-17 Section 4.2, Annex A5 and Annex A6 16 CFR 1500.3(c)(6)(vi) 16 CFR 1610 BS EN 71-2:2020 ISO 8124-2: 2014 AS/NZS ISO 8124.2: 2016 SOR/2011-17 Section 32 to 34
	1. Bunk Beds Safety	ASTM F1427-21e 16 CFR 1513 Requirements for Bunk Beds BS EN 747-1: 2012 + A1: 2015 BS EN 747-2: 2012 + A1: 2015 AS/NZS 4220:2010
	2. Cots Safety	BS EN 716-1: 2017 BS EN 716-2: 2017
	3. Cribs Safety	ASTM F1169-19 16 CFR 1219 Safety Standard for Full-Size Baby Cribs
	4. Toddler Beds Safety	ASTM F1821-19e2 16 CFR 1217 Requirements for Toddler Beds
	5. Children Beds Safety	BS 8509: 2008 + A1: 2011
	6. High Chairs Safety	ASTM F404-21 16 CFR 1231 Requirements for High Chairs
E General Furniture / Automotive	7. Chairs and Stools Safety	ASTM F2613-21 16 CFR 1232 Requirements for Folding Chairs and Stools
	8. Baby Changing Products Safety	ASTM F2388-21 16 CFR 1235
E General Furniture / Automotive	1. General Safety	BS EN 60065: 2014 + A11: 2017 Section 5 and 12 ANSI/BIFMA X5.6-2016(R2021)
	2. Seating Safety	BS EN 1022: 2018 BS EN 12520: 2015 BS EN 16139: 2013 ANSI/BIFMA X5.4-2020

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	3. Table Safety	BS EN 12521: 2015
	4. Bed Safety	BS EN 1725: 1998
	5. Storage Furniture Safety	ASTM F2057-23 ASTM F3096-14 (2021) BS EN 14749:2016+A1:2022 16 CFR 1261
F Outdoor Furniture	1. Seating & Table Safety	BS EN 581-1:2017 BS EN 581-2:2015 BS EN 581-3:2017
G Office Furniture	1. Seating Safety	BS EN 1335-1:2020 BS EN 1335-2:2018 ANSI/BIFMA X5.1-2017(R2022)
	2. Storage Safety	ANSI/BIFMA X5.9-2019
	3. Table Safety	ANSI/BIFMA X5.5-2021
	4. Office Ergonomics	SS 514: 2016
	5. Ranked Seating	BS EN 12727: 2016 BS EN 15372: 2016
H Nonmetals	1. Exposure to Light	ASTM G154-16 BS EN ISO 4892-2:2013 BS EN ISO 4892-3:2006

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 17025:2017. A laboratory's fulfillment of the requirements of ISO/IEC 17025:2017 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 17025:2017 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001.