

Test Report

No.: SHHL250301157601TY

Date: APR. 17, 2025

Page 1 of 16

HAPE INTERNATIONAL (NINGBO) LTD
HAPPY ARTS&CRAFTS(NINGBO)CO.,LTD
9-27NANHAI ROAD, DAGANG INDUSTRIAL CITY, BEILUN, NINGBO, CHINA

Sample Description : Record&Play Train Station/ Eco Energy Train Bucket Set
Style / Item No. : E3884/ E3885
Country of Origin : CHINA
Country of Destination : GLOBAL
Labeled Age Grading : 3-8 YEARS
Requested Age Grading : 3Y-8Y
Client Reference Information : E3885K

Source of Sample : SENT BY CLIENT.
Age Group Assessed as Per Age Guideline : 3 YEARS +
Age Group Applied in Testing : 3 YEARS +
Sample Receiving Date : MAR. 10, 2025
Testing Period : MAR. 10, 2025 TO MAR. 21, 2025

Test Requested	Result
For compliance with the Australian/New Zealand Standard on Safety of toys:	--
AS/NZS ISO 8124.1: 2023 – Safety of toys – Part 1: Safety aspects related to mechanical and physical properties	Pass
AS/NZS ISO 8124.2: 2023 – Safety of toys – Part 2: Flammability	Pass
AS/NZS ISO 8124.3:2021+Amd 1:2023 - Migration of Certain Elements	Pass
COMMONWEALTH OF AUSTRALIA Trade Practices Act 1974, Consumer Protection Notice No. 1 of 2009-CONSUMER PRODUCT SAFETY STANDARD FOR LEAD AND CERTAIN ELEMENTS IN CHILDREN'S TOYS	Pass
Consumer Goods (Toys Containing Magnets) Safety Standards 2020	Pass

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Cindy Chen

Cindy Chen
Authorized Signatory



Verification:
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Results:

AS/NZS ISO 8124.1:2023– SAFETY OF TOYS – PART 1: SAFETY ASPECTS RELATED TO MECHANICAL AND PHYSICAL PROPERTIES

AS SPECIFIED IN AS/NZS ISO 8124.1:2023 – SAFETY OF TOYS – PART 1: SAFETY ASPECTS RELATED TO MECHANICAL AND PHYSICAL PROPERTIES

Clauses relevant to the item:

Clause	Description	Result
4	Requirements	
4.1	General	Pass
4.2	Reasonably foreseeable abuse	Pass
4.3	Material	
	4.3.1 Material quality (Visual Examination)	Pass
4.4	Small parts	
	4.4.2 For children 36 months and over but under 72 months	Pass
4.6	Edges	Pass
4.7	Points	Pass
4.8	Projections	Pass
4.10	Plastic film or plastic bags in packaging and in toys	Pass
4.12	Folding mechanism	
	4.12.3 Hinge-line clearance	N/A
	(Not applicable to products with a hinged part that has a mass less than 250g.)	
4.29	Acoustic requirements	Pass
4.31	Magnets and magnetic components	Pass
Annex B	Safety-labeling guidelines and manufacturer's markings	
B.2	Safety-labeling guidelines	
B.2.1	Good practice for visibility and legibility	See Remark
	Remark: The standard has introduced good practice by addressing the following aspects:	
	a) Emphasising the warning	
	b) Contrast, background and colours	
	c) Reflecting surfaces and obscuring material	
	d) Font type	
	e) Font and symbol size	
	f) Logical direction of text	
B.2.2	Age grading	Pass



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Test Report

No.: SHHL250301157601TY

Date: APR. 17, 2025

Page 3 of 16

B.2.3	Toys that are small parts, toys containing small parts and toys with removable small part components	<u>Pass</u>
B.4	Manufacturer's Markings	<u>Pass</u>

N/A = Not Applicable

AS/NZS ISO 8124.2: 2023 – SAFETY OF TOYS – PART 2: FLAMMABILITY

AS SPECIFIED IN AS/NZS ISO 8124.2: 2023 – SAFETY OF TOYS – PART 2: FLAMMABILITY

Clauses relevant to the item:

Clause	Description	Result
4.1	General	Pass

N.B. : - Only applicable clauses were shown.

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	SHA25-0048657-0001.C001	Black coating
SN2	A2	SHA25-0048657-0001.C002	White coating
SN3	A3	SHA25-0048657-0001.C003	Deep green coating
SN4	A4	SHA25-0048657-0001.C004	Green coating
SN5	A5	SHA25-0048657-0001.C005	Grey white coating
SN6	A6	SHA25-0048657-0001.C006	Blue coating
SN7	A7	SHA25-0048657-0001.C007	Colorful coating
SN8	A8	SHA25-0048657-0001.C008	Red PP
SN9	A9	SHA25-0048657-0001.C009	Grey ABS
SN10	A10	SHA25-0048657-0001.C010	Black ABS
SN11	A11	SHA25-0048657-0001.C011	Cream PVC
SN12	A12	SHA25-0048657-0001.C012	Blue ABS
SN13	A13	SHA25-0048657-0001.C013	Blue plastic
SN14	A14	SHA25-0048657-0001.C014	White ABS
SN15	A15	SHA25-0048657-0001.C015	Translucent plastic lamp
SN16	A16	SHA25-0048657-0001.C016	Light blue plastic button
SN17	A17	SHA25-0048657-0001.C017	Yellow plastic button
SN18	A18	SHA25-0048657-0001.C018	Green plastic button
SN19	A19	SHA25-0048657-0001.C019	White soft plastic sheet
SN20	A20	SHA25-0048657-0001.C020	Green plastic
SN21	A21	SHA25-0048657-0001.C021	Green ABS curved rail
SN22	A22	SHA25-0048657-0001.C022	Red HDPE bridge



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Test Report

No.: SHHL250301157601TY

Date: APR. 17, 2025

Page 4 of 16

SN ID	Sample No.	SGS Sample ID	Description
SN23	A23	SHA25-0048657-0001.C023	Black PP box
SN24	A24	SHA25-0048657-0001.C024	Deep green hips lid
SN25	A25	SHA25-0048657-0001.C025	Grey PA wheels
SN26	A26	SHA25-0048657-0001.C026	Orange PP handle
SN27	A27	SHA25-0048657-0001.C027	Green PA track joint
SN28	A28	SHA25-0048657-0001.C028	Yellow ABS railing
SN29	A29	SHA25-0048657-0001.C029	Grey PP bridge pier/wheel
SN30	A30	SHA25-0048657-0001.C030	Orange HIPS orbit
SN31	A31	SHA25-0048657-0001.C031	Gray HIPS base
SN32	A32	SHA25-0048657-0001.C032	White pok
SN33	A33	SHA25-0048657-0001.C033	Red ABS fire hydrant
SN34	A34	SHA25-0048657-0001.C034	Grey rope
SN35	A35	SHA25-0048657-0001.C035	Natural colored solid wood
SN36	A36	SHA25-0048657-0001.C036	Natural colored plywood
SN37	A37	SHA25-0048657-0001.C037	Natural colored MDF
SN38	A38	SHA25-0048657-0001.C038	Transparent plastic film with colored paper

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) “-” = Not Regulated

AS/NZS ISO 8124.3:2021+Amd 1:2023 - Migration of Certain Elements

Test Method: With reference to AS/NZS ISO 8124.3:2021+Amd 1:2023, analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A1	A2	A3
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass



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Test Report

No.: SHHL250301157601TY

Date: APR. 17, 2025

Page 5 of 16

Test Item(s)	Limit	Unit(s)	MDL	A4	A5	A6
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A7	A8	A9
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A10	A11	A12
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A13	A14	A15
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND



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Test Report

No.: SHHL250301157601TY

Date: APR. 17, 2025

Page 6 of 16

Test Item(s)	Limit	Unit(s)	MDL	A13	A14	A15
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A16	A17	A18
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A19	A20	A21
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A22	A23	A24
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A25	A26	A27
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND



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Test Report

No.: SHHL250301157601TY

Date: APR. 17, 2025

Page 7 of 16

Test Item(s)	Limit	Unit(s)	MDL	A25	A26	A27
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A28	A29	A30
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A31	A32	A33
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A34	A35	A36
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND



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Test Report

No.: SHHL250301157601TY

Date: APR. 17, 2025

Page 8 of 16

Test Item(s)	Limit	Unit(s)	MDL	A34	A35	A36
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A37	A38
Soluble Lead (Pb)	90	mg/kg	5	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND
Conclusion				Pass	Pass

Notes:

(1) Results shown are of the adjusted analytical results.

(2) Mass of trace amount of sample A1 is 20.5mg, sample A2 is 13.2mg, sample A3 is 20.5mg, sample A4 is 53.3mg, sample A5 is 23.3mg, sample A6 is 16.8mg, sample A7 is 20.7mg, sample A13 is 69.4mg, sample A14 is 96.3mg, sample A16 is 41.0mg, sample A17 is 35.3mg, sample A18 is 25.4mg, sample A20 is 58.1mg, sample A33 is 66.0mg.

COMMONWEALTH OF AUSTRALIA Trade Practices Act 1974, Consumer Protection Notice No. 1 of 2009- CONSUMER PRODUCT SAFETY STANDARD FOR LEAD AND CERTAIN ELEMENTS IN CHILDREN'S TOYS

Test Method: With reference to AS/NZS ISO 8124.3:2003, analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A1	A2	A3
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10.0	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass



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Test Report

No.: SHHL250301157601TY

Date: APR. 17, 2025

Page 9 of 16

Test Item(s)	Limit	Unit(s)	MDL	A4	A5	A6
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10.0	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A7	A8	A9
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10.0	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A10	A11	A12
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10.0	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A13	A14	A15
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10.0	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND



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Test Report

No.: SHHL250301157601TY

Date: APR. 17, 2025

Page 10 of 16

Test Item(s)	Limit	Unit(s)	MDL	A13	A14	A15
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A16	A17	A18
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10.0	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A19	A20	A21
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10.0	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A22	A23	A24
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10.0	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A25	A26	A27
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND



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Test Report

No.: SHHL250301157601TY

Date: APR. 17, 2025

Page 11 of 16

Test Item(s)	Limit	Unit(s)	MDL	A25	A26	A27
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10.0	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A28	A29	A30
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10.0	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A31	A32	A33
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10.0	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A34	A35	A36
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10.0	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND



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Test Report

No.: SHHL250301157601TY

Date: APR. 17, 2025

Page 12 of 16

Test Item(s)	Limit	Unit(s)	MDL	A34	A35	A36
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A37	A38
Soluble Lead(Pb)	90	mg/kg	5	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10.0	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND
Conclusion				Pass	Pass

Notes:

- (1) Results of soluble elements shown are of the adjusted analytical results.
- (2) Mass of trace amount of sample A1 is 20.5mg, sample A2 is 13.2mg, sample A3 is 20.5mg, sample A4 is 53.3mg, sample A5 is 23.3mg, sample A6 is 16.8mg, sample A7 is 20.7mg, sample A13 is 69.4mg, sample A14 is 96.3mg, sample A16 is 41.0mg, sample A17 is 35.3mg, sample A18 is 25.4mg, sample A20 is 58.1mg, sample A33 is 66.0mg.

Remark:

The test results A4 are taken from report SHA25-0043841-0001.C001(A1).
The test results A36 are taken from report SHA25-0043841-0001.C003(A3).

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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Consumer Goods (Toys Containing Magnets) Safety Standards 2020

TEST REQUESTED : For compliance with the Consumer Goods (Toys Containing Magnets) Safety Standards 2020

TEST METHOD : With reference to clause 4.1 & 4.31 of AS/NZS ISO 8124.1:2019 with following modification:
 (a) clause 4.1, as modified by omitting the last 2 sentences of the clause;
 (b) clause 4.31, as affected by the modifications of the subclauses referred to in:
 Subclauses 5.24.2, 5.24.5, 5.24.6.1, 5.24.6.2 and 5.24.7 of the International Standard are modified by omitting the last sentence of each subclause; *and*
 Subclause 5.24.3 of the International Standard is modified by omitting "before continuing to determine whether the toy continues to conform to the relevant requirements of Clause 4 (requirements)".

TEST RESULT : After performing the test, the sample comply with the requested test requirements

Section	Description	Result
Section 9	Australian/New Zealand Standard	Pass
4.1	Normal Use	Pass
4.31	Magnets and magnetic components	Pass
4.31.1	Magnetic/electrical experimental sets intended for children 8 years and over	N/A
4.31.2	All other toys with magnets and magnetic components	Pass

Remark:

- Since the data and / or information above division line of front page is provided by the applicant, the relevant results or conclusions of this report are only made for these data and / or information, SGS shall not be responsible for the authenticity and integrity of such data and information and the validity of the results and / or conclusions arising therefrom. Testing results only apply to the sample as received.

- The declaration of conformity is based on acceptance limits chosen based on simple acceptance ($w = 0$, $AL = TL$).

Statements of conformity are reported as:

Passed - The measured values were observed in tolerance at the points tested.

Failed - One or more measured values were observed out of tolerance at the points tested.



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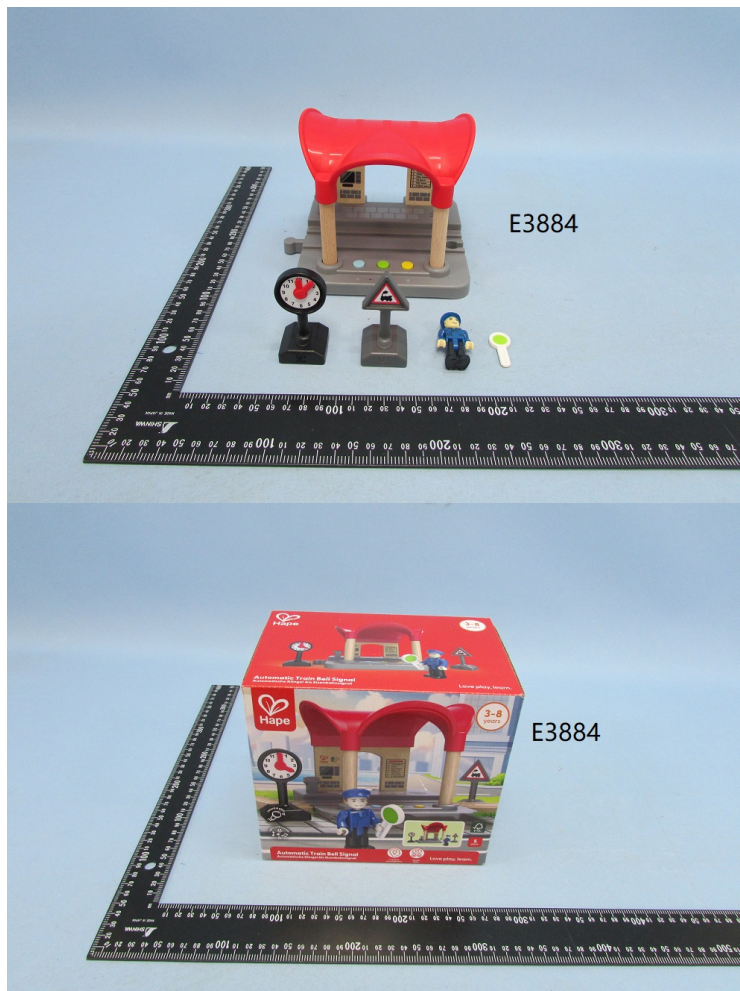


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