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

DELUXE SCIENTIFIC WORKBENCH/ DISCOVERY SCIENTIFIC

WORKBENCH/ SCIENCE EXPERIMENT TOOLBOX/ THREE

Sample Description **EXPERIMENT KIT**

Sample Quantity **21 SETS**

Style / Item No. E3027, E3028, E3029, E3030

Country of Origin **CHINA** Country of Destination **GLOBAL** Labeled Age Grading 4Y+ Requested Age Grading 4Y+

Client reference information E3027A, E3028A, E3029A, E3030A

Age Group Assessed as Per Age Guideline 3+YEARS Age Group Applied in Testing 3+YEARS Sample Receiving Date OCT. 10, 2020 Resubmitted Sample Date JAN. 29, 2021 **Further Information Date** OCT. 23, 2020

Testing Period OCT. 10, 2020 TO FEB. 01, 2021

Test Requested Result ASTM F963-17 Standard Consumer Safety Specification for Toy Safety **Pass**

Physical and mechanical tests consisting US CPSC 16 CFR 1500.48, US CPSC 16 **Pass**

CFR 1500.49 and US CPSC 16 CFR 1501

US CPSC 16 CFR 1500.19 - Misbranded toys and other articles intended for use by Not Applicable

children

US CPSC 16 CFR 1500.44 - Method for determining extremely flammable and <u>Pass</u>

flammable solids

Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section <u>Pass</u>

103 tracking labels for children's products.

Lead (Pb)(Non-Metal) **Pass**

Part 1303, Title 16, Code of Federal Regulations, Chapter II - Consumer Products <u>Pass</u>



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Safety Commission of U.S.A. requirement-Lead

Lead(Pb)(Metal) **Pass**

CPSIA section 101(f) Lead in paint/similar surface coating material Pass Pass

CPSIA section 101(a)(2) - Lead in accessible substrate materials **Pass**

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

Wallace Lui

Senior Technical Manager, Asia





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Result:

ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY

AS SPECIFIED IN ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clauses relevant to the item:

<u>Clause</u>	<u>Description</u>	Result
4	Safety Requirements	
4.1	Material Quality **	<u>Pass</u>
4.2	Flammability Test	Pass (See Detail of
4.3	Toyinglogy	test result)
4.3 4.3.5	Toxicology	
4.3.5	Heavy Elements	Doog (Coo Dotail of
	4.3.5.1 Heavy Elements in Paint/Similar Surface Coating Materials	Pass (See Detail of test result)
	4.3.5.2 Heavy Metal in Substrate Materials	Pass (See Detail of
		test result)
4.5	Sound-Producing Toys	<u>Pass</u>
4.6.3	Labelling Requirements	<u>Pass</u>
4.7	Accessible Edges	<u>Pass</u>
4.8	Projections	<u>Pass</u>
4.9	Accessible Points	<u>Pass</u>
4.11	Nails and Fasteners	<u>Pass</u>
4.12	Plastic Film	<u>Pass</u>
4.18	Holes, Clearance & Accessibility of Mechanisms	Pass#
4.21	Projectile Toys	<u>Pass</u>
4.25	Battery-Operated Toys	<u>Pass</u>
5	Safety Labeling Requirements	
5.2	Age Grading Labeling	<u>Pass</u>
5.3	Safety Labeling Requirements	<u>Pass</u>
5.11	Small Objects, Small Balls, Marbles, and Balloons	<u>Pass</u>
5.15	Battery-Operated Toys	<u>Pass</u>
5.16	Promotional Materials	<u>Pass</u>
7	Producer's Markings	
7.1	Producer's Markings	<u>Pass</u>
8.5	Normal Use Testing	<u>Pass</u>
8.7	Impact Test	Pass
8.8	Torque Test	<u>Pass</u>
8.9	Tension Test	<u>Pass</u>



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8.10 Compression Test **Pass**

** Visual Examination

The item with # means it has been retested.

Detail of test result:

ASTM F963-17, Clause 4.2 - Flammability Test Flammability Test on Solid

Sample Burning Rate (inch/sec) DELUXE SCIENTIFIC WORKBENCH/ DISCOVERY SCIENTIFIC WORKBENCH/ 0.1* SCIENCE EXPERIMENT TOOLBOX/ THREE EXPERIMENT KIT

Requirement: A toy / component is considered a "flammable solid" if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.

PHYSICAL AND MECHANICAL TESTS CONSISTING US CPSC 16 CFR 1500.48, US CPSC 16 CFR 1500.49 **AND US CPSC 16 CFR 1501**

AS SPECIFIED IN PHYSICAL AND MECHANICAL TESTS CONSISTING US CPSC 16 CFR 1500.48, US CPSC 16 CFR 1500.49 AND US CPSC 16 CFR 1501

	No. of			
	<u>sample</u>	Sharp point	Sharp edge	Small part
	<u>tested</u>	(16 CFR 1500.48)	(16 CFR 1500.49)	(16 CFR 1501)
As received	4	Pass	Pass	NA
Impact test (16 CFR 1500.53b)	4	Pass	Pass	NA
Bite test (16 CFR 1500.53c)	0	NA	NA	NA
Flexure test (16 CFR 1500.53d)	0	NA	NA	NA
Torque test (16 CFR 1500.53e)	4	Pass	Pass	NA
Tension test (16 CFR 1500.53f)	4	Pass	Pass	NA
Compression test (16 CFR 1500.53g)	2	Pass	Pass	NA

N/A = Not Applicable

US CPSC 16 CFR 1500.19 - MISBRANDED TOYS AND OTHER ARTICLES INTENDED FOR USE BY **CHILDREN**

Not Applicable



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^{*}Burning rate has been rounded to the nearest one tenth of an inch per second.



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US CPSC 16 CFR 1500.44 – METHOD FOR DETERMINING EXTREMELY FLAMMABLE AND FLAMMABLE SOLIDS

AS SPECIFIED IN US CPSC 16 CFR 1500.44 – METHOD FOR DETERMINING EXTREMELY FLAMMABLE AND FLAMMABLE SOLIDS

Sample
DELUXE SCIENTIFIC WORKBENCH/ DISCOVERY SCIENTIFIC WORKBENCH/

DELUXE SCIENTIFIC WORKBENCH/

0.1*

DELUXE SCIENTIFIC WORKBENCH/ DISCOVERY SCIENTIFIC WORKBENCH/ SCIENCE EXPERIMENT TOOLBOX/ THREE EXPERIMENT KIT

*Burning rate has been rounded to the nearest one tenth of an inch per second.

Requirement: A toy / component is considered a "flammable solid" if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.

Notes

Note 1: As specified in Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.

- Tracking label found on the packaging: For Item E3027:P2022400170 NBCN 05/2020

For Item E3028:P1922401862 NBCN 03/2020 For Item E3029:P2022400713 NBCN 05/2020 For Item E3030:P1922400998 NBCN 09/2019

- Tracking label found on the product: For Item E3027:P2022400170 NBCN 05/2020

For Item E3028:P1922401862 NBCN 03/2020 For Item E3029:P2022400713 NBCN 05/2020 For Item E3030:P1922400998 NBCN 09/2019

- Note 2: 1) The tracking label assessment was based on the submitted samples and the information provided by the applicant. There was no verification on the validity of such information.
 - 2) City and State, or administrative state shall be also provided for the source (location) information.



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Test Part Description:

Specimen No.	SGS Sample ID	Description
SN1	SHA20-203507.001	Dk.blue coating(On wood)
SN2	SHA20-203507.002	Silvery coating(On wood)
SN3	SHA20-203507.003	Orange coating(On wood)
SN4	SHA20-203507.004	Green coating(On wood)
SN5	SHA20-203507.005	Grey coating(On wood)
SN6	SHA20-203507.006	Yellow coating(On black plastic sheet)
SN7	SHA20-203507.007	White coating(On black plastic sheet)
SN8	SHA20-203507.008	Black plastic sheet
SN9	SHA20-203507.009	Orange PA
SN10	SHA20-203507.010	Silvery PA screw&nut
SN11	SHA20-203507.011	White PE sheet
SN12	SHA20-203507.012	Cream white PE fan blade
SN13	SHA20-203507.013	Yellow ABS hand
SN14	SHA20-203507.014	Grey PC screw(In hand)
SN15	SHA20-203507.015	Red silicone rubber ring
SN16	SHA20-203507.016	Semi-transparent ABS light
SN17	SHA20-203507.017	Black ABS light
SN18	SHA20-203507.018	Red ABS on bell
SN19	SHA20-203507.019	Black ABS(On orange plastic gear)
SN20	SHA20-203507.020	Grey PP screwriver
SN21	SHA20-203507.021	Yellow TPE screwriver
SN22	SHA20-203507.022	White plastic screw(On wood)
SN23	SHA20-203507.023	White string
SN24	SHA20-203507.024	Natural colored solidwood
SN25	SHA20-203507.025	Natural colored splywood
SN26	SHA20-203507.026	Natural colored MDF
SN27	SHA20-203507.027	Yellow TPR tapping head
SN28	SHA20-203507.028	Yellow PA tapping
SN29	SHA20-203507.029	Silvery metal bell
SN30	SHA20-203507.030	Silvery metal screw
SN31	SHA20-203507.031	Silvery metal nut
SN32	SHA20-203507.032	Silvery metal L



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Remarks:

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

Lead (Pb)(Non-Metal)

Test Method: With reference to US EPA 3052:1996, analysis was performed by ICP-OES.

Test Item(s) Lead (Pb) Conclusion	<u>Limit</u> 40	<u>Unit</u> mg/kg	MDL 2	<u>001</u> ND PASS	<u>002</u> ND PASS	003 ND PASS
Test Item(s) Lead (Pb) Conclusion	<u>Limit</u> 40	<u>Unit</u> mg/kg	MDL 2	<u>004</u> ND PASS	005 ND PASS	006 ND PASS
Test Item(s) Lead (Pb) Conclusion	<u>Limit</u> 40	<u>Unit</u> mg/kg	MDL 2	<u>007</u> ND PASS	008 ND PASS	009 ND PASS
Test Item(s) Lead (Pb) Conclusion	<u>Limit</u> 40	<u>Unit</u> mg/kg	MDL 2	<u>010</u> ND PASS	<u>011</u> ND PASS	012 ND PASS
Test Item(s) Lead (Pb) Conclusion	<u>Limit</u> 40	<u>Unit</u> mg/kg	MDL 2	013 ND PASS	<u>014</u> ND PASS	<u>015</u> ND PASS



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Test Item(s) Lead (Pb) Conclusion	<u>Limit</u> 40	<u>Unit</u> mg/kg	MDL 2	<u>016</u> ND PASS	<u>017</u> ND PASS	<u>018</u> ND PASS	
Test Item(s) Lead (Pb) Conclusion	<u>Limit</u> 40	<u>Unit</u> mg/kg	MDL 2	<u>019</u> ND PASS	<u>020</u> ND PASS	<u>021</u> ND PASS	
Test Item(s) Lead (Pb) Conclusion	<u>Limit</u> 40	<u>Unit</u> mg/kg	<u>MDL</u> 2	<u>022</u> ND PASS	<u>024</u> ND PASS	<u>025</u> ND PASS	
Test Item(s) Lead (Pb) Conclusion	<u>Limit</u> 40	<u>Unit</u> mg/kg	MDL 2	<u>026</u> ND PASS	<u>027</u> ND PASS	<u>028</u> ND PASS	

Notes:

The maximum permissible limit is quoted from the client requirement.

Part 1303, Title 16, Code of Federal Regulations, Chapter II - Consumer Products Safety Commission of U.S.A. requirement-Lead

Test Method: With reference to CPSC Test Method: CPSC-CH-E1003-09.1, analysis was performed by AAS.

Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>	<u>002</u>	<u>003</u>
Lead (Pb)	0.009	%	0.002	ND	ND	ND
Conclusion				PASS	PASS	PASS
Test Item(s)	<u>Limit</u>	<u>Unit</u>	MDL	<u>004</u>	<u>005</u>	<u>006</u>
Lead (Pb)	0.009	%	0.002	ND	ND	ND
Conclusion				PASS	PASS	PASS



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Conclusion				PASS
Lead (Pb)	0.009	%	0.002	ND
Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>007</u>

American Society for Testing and Materials -ASTM F 963-17- total Lead in paint and similar surface-coating materials

Test Method: With reference to CPSC-CH-E1003-09.1, analysis was performed by AAS.

Test Item(s) Total Lead (Pb)	<u>Limit</u>	<u>Unit</u>	MDL	<u>001</u>	<u>002</u>	<u>003</u>
	90	mg/kg	20	ND	ND	ND
Test Item(s) Total Lead (Pb)	<u>Limit</u>	<u>Unit</u>	MDL	<u>004</u>	<u>005</u>	<u>006</u>
	90	mg/kg	20	ND	ND	ND
Test Item(s) Total Lead (Pb)	<u>Limit</u> 90	<u>Unit</u> mg/kg	MDL 20	<u>007</u> ND		

Lead(Pb)(Metal)

Test Method: With reference to US EPA Method 3050B:1996, analysis was performed by AAS.

Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>029</u>	<u>030</u>	<u>031</u>
Lead (Pb)	40	mg/kg	2	ND	ND	ND
Conclusion				PASS	PASS	PASS
Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>032</u>		
Lead (Pb)	40	mg/kg	2	ND		

Notes:

Conclusion

The maximum permissible limit is quoted from the client requirement.

American Society for Testing and Materials -ASTM F 963-17 -total Lead in Substrate Materials

Test Method: With reference to CPSC-CH-E1001-08.3, Analysis was performed by AAS.



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PASS



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Test Item(s) Total Lead (Pb)	<u>Limit</u> 100	<u>Unit</u> mg/kg	MDL 20	<u>029</u> ND	<u>030</u> ND	<u>031</u> ND		
Test Item(s) Total Lead (Pb)	<u>Limit</u> 100	<u>Unit</u> mg/kg	MDL 20	<u>032</u> ND				

American Society for Testing and Materials -ASTM F 963-17 -total Lead in Substrate Materials

Test Method: With reference to CPSC-CH-E1002-08.3. Analysis was performed by AAS.

Test Item(s) Total Lead (Pb)	<u>Limit</u>	<u>Unit</u>	MDL	<u>008</u>	<u>009</u>	<u>010</u>
	100	mg/kg	20	ND	ND	ND
Test Item(s) Total Lead (Pb)	<u>Limit</u>	<u>Unit</u>	MDL	<u>011</u>	<u>012</u>	<u>013</u>
	100	mg/kg	20	ND	ND	ND
Test Item(s) Total Lead (Pb)	<u>Limit</u>	<u>Unit</u>	MDL	<u>014</u>	<u>015</u>	<u>016</u>
	100	mg/kg	20	ND	ND	ND
Test Item(s) Total Lead (Pb)	<u>Limit</u>	<u>Unit</u>	MDL	<u>017</u>	<u>018</u>	<u>019</u>
	100	mg/kg	20	ND	ND	ND
Test Item(s) Total Lead (Pb)	<u>Limit</u>	<u>Unit</u>	MDL	<u>020</u>	<u>021</u>	<u>022</u>
	100	mg/kg	20	ND	ND	ND
Test Item(s) Total Lead (Pb)	<u>Limit</u>	<u>Unit</u>	MDL	<u>024</u>	<u>025</u>	<u>026</u>
	100	mg/kg	20	ND	ND	ND
Test Item(s) Total Lead (Pb)	<u>Limit</u> 100	<u>Unit</u> mg/kg	MDL 20	<u>027</u> ND	<u>028</u> ND	

American Society for Testing and Materials -ASTM F 963-17 - soluble Heavy Metal for paint and similar surface-coating materials/ Substrate Materials

Test Method: With reference to ASTM F 963-17 (Clause 8.3), analysis was performed by ICP-OES.



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Test Item(s)	<u>Limit</u>	<u>Unit</u>	MDL	<u>001</u>	<u>002</u>	<u>003</u>	
Soluble Lead (Pb)	90	mg/kg	5	-	ND	-	
Soluble Antimony (Sb)	60	mg/kg	5	-	ND	-	
Soluble Arsenic (As)	25	mg/kg	2.5	-	ND	-	
Soluble Barium (Ba)	1000	mg/kg	10	-	ND	-	
Soluble Cadmium (Cd)	75	mg/kg	5	-	ND	-	
Soluble Chromium (Cr)	60	mg/kg	5	-	ND	-	
Soluble Mercury (Hg)	60	mg/kg	5	-	ND	-	
Soluble Selenium (Se)	500	mg/kg	10	-	ND	-	
Test Item(s)	<u>Limit</u>	<u>Unit</u>	MDL	<u>004</u>	<u>005</u>	<u>006</u>	
Soluble Lead (Pb)	90	mg/kg	5	-	-	-	
Soluble Antimony (Sb)	60	mg/kg	5	-	-	-	
Soluble Arsenic (As)	25	mg/kg	2.5	-	-	-	
Soluble Barium (Ba)	1000	mg/kg	10	-	-	-	
Soluble Cadmium (Cd)	75	mg/kg	5	-	-	-	
Soluble Chromium (Cr)	60	mg/kg	5	-	-	-	
Soluble Mercury (Hg)	60	mg/kg	5	-	-	-	
Soluble Selenium (Se)	500	mg/kg	10	-	-	-	
Test Item(s)	<u>Limit</u>	<u>Unit</u>	MDL	<u>007</u>	<u>008</u>	<u>009</u>	
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	
Test Item(s)	<u>Limit</u>	<u>Unit</u>	MDL	<u>010</u>	<u>011</u>	<u>012</u>	
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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Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND	
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND	
Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>013</u>	<u>014</u>	<u>015</u>	
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	
Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>016</u>	<u>017</u>	<u>018</u>	
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	
Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>019</u>	<u>020</u>	<u>021</u>	
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	
Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>022</u>	<u>023</u>	<u>024</u>	
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	



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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
Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>025</u>	<u>026</u>	<u>027</u>
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
Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>028</u>		
Soluble Lead (Pb)	90	mg/kg	5	ND		
Soluble Antimony (Sb)	60	mg/kg	5	ND		
Soluble Arsenic (As)	25	mg/kg	2.5	ND		
Soluble Barium (Ba)	1000	mg/kg	10	ND		
Soluble Cadmium (Cd)	75	mg/kg	5	ND		
Soluble Chromium (Cr)	60	mg/kg	5	ND		
Soluble Mercury (Hg)	60	mg/kg	5	ND		
Soluble Selenium (Se)	500	mg/kg	10	ND		

Notes:

- (1) Results shown are of the adjusted analytical results
- (2) Mass of trace amount of sample 002 is 30.4 mg.
- (3) As received, the test portion of samples .001, 003-007 from one whole sample are less than 10mg, therefore such components were not tested for certain migration elements, as specified in ASTM F963-17 Clause 8.3.3.6 (2) Selection of Test Portions

CPSIA section 101(f) - Lead in paint/similar surface coating material

Test Method: CPSC Test Method: CPSC-CH-E1003-09.1 'Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings'



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Test Item(s) Lead (Pb) Conclusion	<u>Lir</u> 0.0		<u>MDL</u> 0.002	<u>001</u> ND PASS	002 ND PASS	<u>003</u> ND PASS
Test Item(s) Lead (Pb) Conclusion	<u>Li</u> 0.0	<u>mit</u> <u>Unit</u> 009 %	MDL 0.002	<u>004</u> ND PASS	<u>005</u> ND PASS	<u>006</u> ND PASS
Test Item(s) Lead (Pb) Conclusion	<u>Li</u> 0.0	<u>mit</u> <u>Unit</u> 009 %	<u>MDL</u> 0.002	<u>007</u> ND PASS		

CPSIA section 101(a)(2) - Lead in accessible substrate materials

Test Method: CPSC Test Method: CPSC-CH-E1001-08.3 `Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry)'.

Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>029</u>	<u>030</u>	<u>031</u>	
Lead (Pb)	0.01	%	0.002	ND	ND	ND	
Conclusion				PASS	PASS	PASS	
Test Item(s)	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>032</u>			
Lead (Pb)	0.01	%	0.002	ND			
Conclusion				PASS			

Notes:

Limit applies to a children's product manufactured after 14 August 2011 (Public Law 112-28 (HR 2715, 112th Congress) amending CPSIA)

CPSIA section 101(a)(2) - Lead in accessible substrate materials

CPSC Test Method: CPSC-CH-E1002-08.3 'Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product'



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Test Item(s) Lead (Pb) Conclusion		<u>Limit</u> 0.01	<u>Unit</u> %	MDL 0.002	<u>008</u> ND PASS	<u>009</u> ND PASS	<u>010</u> ND PASS
Test Item(s) Lead (Pb) Conclusion		<u>Limit</u> 0.01	<u>Unit</u> %	<u>MDL</u> 0.002	<u>011</u> ND PASS	<u>012</u> ND PASS	<u>013</u> ND PASS
Test Item(s) Lead (Pb) Conclusion		<u>Limit</u> 0.01	<u>Unit</u> %	MDL 0.002	<u>014</u> ND PASS	<u>015</u> ND PASS	<u>016</u> ND PASS
Test Item(s) Lead (Pb) Conclusion		<u>Limit</u> 0.01	<u>Unit</u> %	MDL 0.002	<u>017</u> ND PASS	<u>018</u> ND PASS	<u>019</u> ND PASS
Test Item(s) Lead (Pb) Conclusion		<u>Limit</u> 0.01	<u>Unit</u> %	MDL 0.002	<u>020</u> ND PASS	<u>021</u> ND PASS	022 ND PASS
Test Item(s) Lead (Pb) Conclusion		<u>Limit</u> 0.01	<u>Unit</u> %	MDL 0.002	024 ND PASS	<u>025</u> ND PASS	<u>026</u> ND PASS
Test Item(s) Lead (Pb) Conclusion		<u>Limit</u> 0.01	<u>Unit</u> %	<u>MDL</u> 0.002	<u>027</u> ND PASS	<u>028</u> ND PASS	

Notes:

Limit applies to a children's product manufactured after 14 August 2011 (Public Law 112-28 (HR 2715, 112th Congress) amending CPSIA)



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