

Test Report

No.: CZHL2303000917ST

Date: MAR. 08, 2023

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CZHL2303000917ST



SGS-CSTC Standards Technical Services (Changzhou) Co., Ltd.
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Test Results:

1. Standard Consumer Safety Specification For Toy Safety (ASTM F963-17)

Clause	Test Description	Result
4.1	Material Quality	Pass
	Visual Examination.	
4.2	Flammability On Solid	Pass (See Details)
4.3 Toxicology		
4.3.5.1	Heavy Elements, Paint And Similar Surface-Coating Materials	Pass(See Details)
4.3.5.2	Heavy Elements, Toy Substrate Materials	Pass(See Details)
4.6.3	Labelling Requirements	See Remark
	(Remark: The toy does not contain as-received small part.)	
4.7	Accessible Edges	Pass
4.9	Accessible Points	Pass
4.12	Plastic Film	Pass
5 Safety Labeling Requirements		
5.2	Age Grading Labeling	See Remark
	(Remark: The toy or package should indicate the minimum age for intended use)	
5.3	Safety Labeling Requirements	Pass
5.10	Toys With Functional Sharp Edges Or Points	Pass
7 Producer's Markings		
7.1	Name And Address Of The Producer Or The Distributor	Pass
8 Test Methods		
8.5	Normal Use Testing	Pass
8.7	Impact Test	Pass
8.8	Torque Test	Pass
8.9	Tension Test	Pass

Detail of result:

Clause 4.2: Flammability On Solid

Result Data:

Sample	Burning Rate(inch/sec)
SCISSORS	DNI



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Notes:

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.

DNI = Did Not Ignite.

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.

Result Data:

Test Item(s)	Limit	Units	MDL	A2	A3	A4
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	Units	MDL	A5	A6	A7
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 Item(s)	Limit	Units	MDL	A8	A9	A10
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	Units	MDL	A11	A12	A13
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	Units	MDL	A14	A15
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



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Notes:

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

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 or ICP-OES.

Result Data:

Test Item(s)	Limit	Units	MDL	A1
Total Lead (Pb)	100	mg/kg	20	ND
Conclusion				Pass

Test Method: With reference to CPSC-CH-E1002-08.3, analysis was performed by AAS or ICP-OES.

Result Data:

Test Item(s)	Limit	Units	MDL	A2+A3+A 4	A5+A6+A 7	A8+A9+A 10
Total Lead (Pb)	100	mg/kg	20	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Units	MDL	A11+A12 +A13	A14+A15
Total Lead (Pb)	100	mg/kg	20	ND	ND
Conclusion				Pass	Pass

Remark:

For method of CPSC-CH-E1002-08.3: The result is calculated using the minimum sample weight.



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Photo Appendix

Photo relative to overall specimen:



Received Sample

Test Part Description :

SN ID.	Sample No.	Description
SN1	A1	Silvery metal
SN2	A2	Black/Light red plastic
SN3	A3	Purple plastic with white coating
SN4	A4	Dark purple plastic
SN5	A5	Matt dark purple plastic
SN6	A6	Pink plastic
SN7	A7	Dark blue plastic with white coating
SN8	A8	Matt pink plastic
SN9	A9	Dark green plastic with white coating
SN10	A10	Yellow plastic
SN11	A11	Matt yellow plastic
SN12	A12	Matt red plastic
SN13	A13	Orange plastic with white coating
SN14	A14	Red plastic
SN15	A15	Green plastic with white coating
SN16	A2+A3+A4	Black/Light red plastic + Purple plastic with white coating + Dark purple plastic
SN17	A5+A6+A7	Matt dark purple plastic + Pink plastic + Dark blue plastic with white coating



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SN ID.	Sample No.	Description
SN18	A8+A9+A10	Matt pink plastic + Dark green plastic with white coating + Yellow plastic
SN19	A11+A12+A1 3	Matt yellow plastic + Matt red plastic + Orange plastic with white coating
SN20	A14+A15	Red plastic + Green plastic with white coating

Result/Rating/Record Key(s)

- I. Result/Rating Keys: P = Pass = Meet; F = Fail = Not Meet; N/A = Not applicable = Not suitable; NR = NC = Test not conduct/requested per client request; TT = Test terminated due to the earlier failure of last test.
- II. Record Keys: "C:" means Claimed parameter; "A:" means Actual recorded from test; "D:" means Data for reference only.

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- A. N.B. Only applicable clauses were shown.
- B. (1) 1mg/kg = 0.0001% (2) MDL = Method Detection Limit (3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated
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