

TEST REPORT

Report No.: SZKA210406-09669E

Date: April 13, 2021

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Report on the submitted samples said to be:

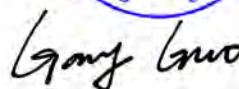
Sample Name: Magnetic writing board
Style/Item No.: MP01&MP03
Country of Origin: CHINA
Country of Destination: USA
Manufacturer:
Requested Age Grading: 3+
Tested Age Grading: Over 3 years of age
Sample Receiving Date: April 06,2021
Testing Period: April 06,2021 - April 13,2021
Result: **Pass**

Signed for and on behalf of

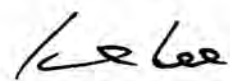
BACL



Checked by: _____
Candy Lin



Approved by: _____
Gary Guo



Lance Lee



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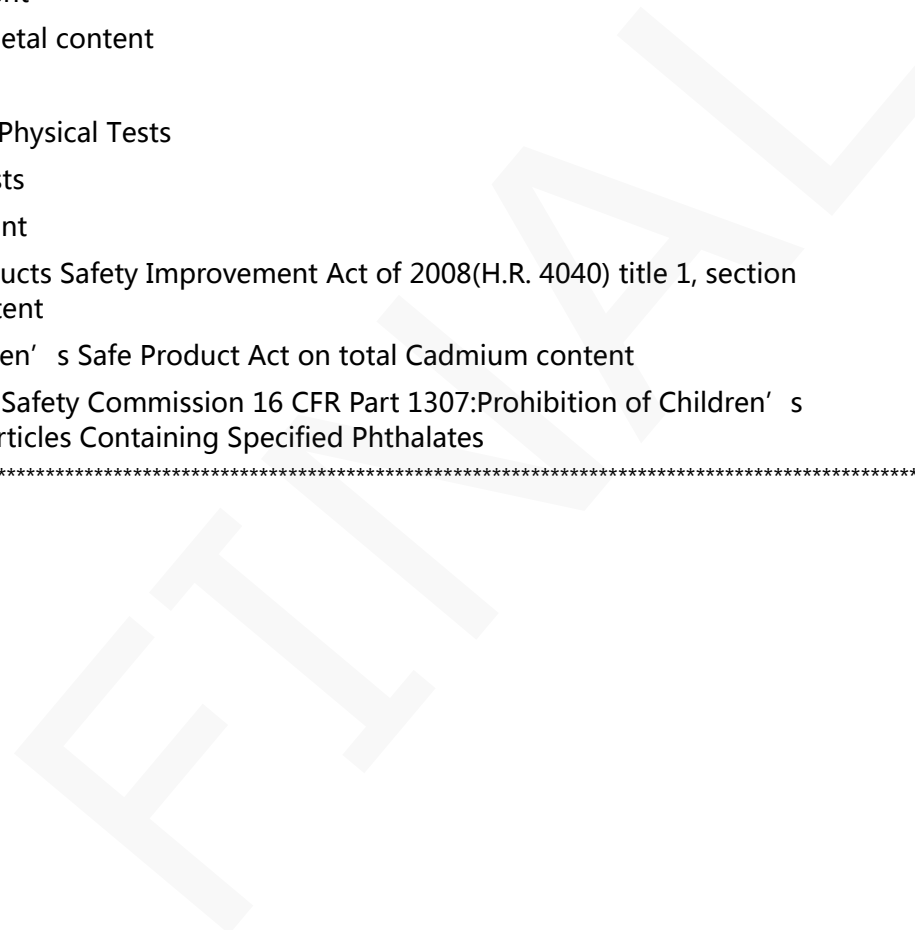
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Summary of Test Result:

TEST REQUEST

CONCLUSION

A. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	
A.1 Mechanical and Physical Tests	Pass
A.2 Flammability Tests	Pass
A.3 Total Lead content	Pass
A.4 Soluble heavy metal content	Pass
B. CPSC Regulation	
B.1 Mechanical and Physical Tests	Pass
B.2 Flammability Tests	Pass
B.3 Total Lead content	Pass
C. US Consumer Products Safety Improvement Act of 2008(H.R. 4040) title 1, section 101 for total lead content	Pass
D. Washington Children’ s Safe Product Act on total Cadmium content	Pass
E. Consumer Product Safety Commission 16 CFR Part 1307:Prohibition of Children’ s Toys and Child Care Articles Containing Specified Phthalates	Pass



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Result:

Tested part(s):

- (1) Red/black coating(card) [1][2]
- (2) Red plastic(body of board) [1][3]
- (3) Bright red plastic(base of board) [1][3][4]
- (4) Black plastic(body of board) [2][4]
- (5) Bright black plastic(base of board) [2]
- (6) Black plastic(pen) [1]
- (7) Red plastic(pen) [2]
- (8) Yellow plastic(pen) [3][4]
- (9) Red plastic(string of pen) [1][2]
- (10) Silvery metal(ball of board) [1]-[4]
- (11) Silvery metal(tip of pen) [3][4]
- (12) Silvery metal(screw of board) [1]-[4]
- (13) Silvery metal(triangle ring of pen) [1][2]
- (14) Silvery metal(tip of pen) [1][2]

Note:

[1]red with black pen; [2]black with red pen; [3]red with yellow pen; [4]black with yellow pen

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A. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety

A.1 Mechanical and Physical Tests

<u>Section</u>	<u>Description</u>	<u>Result</u>
4	Safety requirements	
4.1	Material quality	Pass
4.3.7	Stuffing materials	NA
4.4	Electrical/thermal energy	NA
4.5	Sound producing toys	NA
4.6	Small objects	NA
4.7	Accessible edges	Pass
4.8	Projections	NA
4.9	Accessible points	Pass
4.10	Wires or rods	NA
4.11	Nails and fasteners	Pass
4.12	Plastic film	Pass
4.13	Folding mechanisms and hinges	NA
4.14	Cords and elastics in toys	NA
4.15	Stability and over-load requirements	NA
4.16	Confined spaces	NA
4.17	Wheels, tires, and axles	NA
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery-operated toys	NA
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag-type toys	NA
4.28	Stroller carriage toys	NA
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.31	Balloons	NA

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<u>Section</u>	<u>Description</u>	<u>Result</u>
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-shaped objects	NA
4.37	Yo Yo elastic tether toys	NA
4.38	Magnets	Pass
4.39	Jaw entrapment in handles and steering wheels	NA
4.40	Expanding Materials	NA
4.41	Toy Chests	NA
5	Labeling requirements	NR
6	Instructional literature	NR
7	Producer's markings	NR

NA = Not Applicable.

NR = Not Requested.

Use and abuse testing:

<u>Applicable section</u>	<u>Description</u>	<u>Test Condition</u>
8.7	Drop test	4 drops at 3.0 ft.
8.8	Torque test	4 in-lbs or 180°.
8.9	Tension test	15 lbs.
8.10	Compression test	NA

A.2 Flammability Tests

Flammability Tests of material

Test method: ASTM F963-17 Section 4.2 and Annex A5: Flammability Testing Procedure for Solids and Soft Toys

<u>Sample</u>	<u>Burn rate (in/sec.)</u>	<u>Conclusion</u>
Magnetic writing board	DNI	Pass

Note: In accordance with the ASTM F963, the burning rate should not be greater than 0.1 inch per second.

All styles of submitted samples were tested, the above result only showed the most severe burn rate of submitted samples.

DNI = Did Not Ignite IBE = Ignited But Extinguished

A.3 Total Lead content

Total Lead content (in paint and similar surface-coating materials)

Test method: CPSC-CH-E1003-09.1-2011

<u>Item</u>	<u>Unit</u>	<u>MDL</u>	<u>Result</u>	<u>Limit</u>
			(1)	
Lead(Pb)	mg/kg	10	N.D.	90
Conclusion	/	/	Pass	/

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Total Lead content(in substrates)

Test method: CPSC-CH-E1001-08.3-2012;CPSC-CH-E1002-08.3-2012

Item	Unit	MDL	Result					Limit
			(2)+(3)+(4)	(5)+(6)+(7)	(8)+(9)	(10)+(12)+(13)	(11)+(14)	
Lead(Pb)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	100
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

A.4 Soluble heavy metal content

Test method: ASTM F963-17 (Clause 4.3.5& 8.3)

Item	Unit	MDL	Result					Limit
			(1)	(2)	(3)	(4)	(5)	
Lead(Pb)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	90
Antimony(Sb)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	60
Arsenic(As)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	25
Barium(Ba)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Cadmium(Cd)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	75
Chromium(Cr)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	60
Mercury(Hg)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	60
Selenium(Se)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	500
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Result				Limit
			(6)	(7)	(8)	(9)	
Lead(Pb)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	90
Antimony(Sb)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	60
Arsenic(As)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	25
Barium(Ba)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	1000
Cadmium(Cd)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	75
Chromium(Cr)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	60
Mercury(Hg)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	60
Selenium(Se)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	500
Conclusion	/	/	Pass	Pass	Pass	Pass	/

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B. CPSC Regulation

B.1 Mechanical and Physical Tests

<u>Section</u>	<u>Description</u>	<u>Result</u>
16 CFR 1500.48	Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of age	Pass
16 CFR 1500.49	Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age	Pass
16 CFR 1501	Method for identifying toys and other articles intended for use by children under 3 years of age which present choking, aspiration, or ingestion hazards because of small parts	NA

NA = Not Applicable.

Use and abuse testing:

<u>Applicable section</u>	<u>Description</u>	<u>Test Condition</u>
16 CFR 1500.50	Normal use testing	
16 CFR 1500.53	Drop test	4 drops at 3.0 ft.
16 CFR 1500.53	Torque test	4 in-lbs or 180°
16 CFR 1500.53	Tension test	15 lbs
16 CFR 1500.53	Compression test	NA

B.2 Flammability Tests

Flammability Tests of material

Test method: FHSA 16 CFR 1500.44: Method for determining extremely flammable and flammable solids.

<u>Sample</u>	<u>Burn rate (in/sec.)</u>	<u>Conclusion</u>
Magnetic writing board	DNI	Pass

Note: In accordance with the FHSA 16 CFR 1500.3 (c) (6) (vi), the burning rate should not be greater than 0.1 inch per second.

All styles of submitted samples were tested, the above result only showed the most severe burn rate of submitted samples.

DNI = Did Not Ignite IBE = Ignited But Extinguished

B.3 Total Lead content

Test method: CPSC-CH-E1003-09.1-2011

<u>Item</u>	<u>Unit</u>	<u>MDL</u>	<u>Result</u>	<u>Limit</u>
			(1)	
Lead(Pb)	mg/kg	10	N.D.	90
Conclusion	/	/	Pass	/

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C. US Consumer Products Safety Improvement Act of 2008(H.R. 4040) title 1, section 101 for total lead content
Total Lead content(in paint and similar surface-coating materials)

Test method: CPSC-CH-E1003-09.1-2011

Item	Unit	MDL	Result					Limit
			(1)					
Lead(Pb)	mg/kg	10	N.D.					90
Conclusion	/	/	Pass					/

Total Lead content(in substrates)

Test method: CPSC-CH-E1001-08.3-2012;CPSC-CH-E1002-08.3-2012

Item	Unit	MDL	Result					Limit
			(2)+(3)+(4)	(5)+(6)+(7)	(8)+(9)	(10)+(12)+(13)	(11)+(14)	
Lead(Pb)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	100
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

D. Washington Children' s Safe Product Act on total Cadmium content

Test method: IEC 62321-5:2013;EN 1122:2001(E)

Item	Unit	MDL	Result					Limit	
			(1)	(2)+(3)+(4)	(5)+(6)+(7)	(8)+(9)	(10)+(12)+(13)		(11)+(14)
Cadmium(Cd)	mg/kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	40
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	Pass	/

E. Consumer Product Safety Commission 16 CFR Part 1307:Prohibition of Children' s Toys and Child Care Articles Containing Specified Phthalates

Test method: CPSC-CH-C1001-09.4-2018

Item	Unit	MDL	Result				Limit
			(1)	(2)+(3)+(4)	(5)+(6)+(7)	(8)+(9)	
Dibutyl Phthalate(DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	1000
Benzyl Butyl Phthalate(BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	1000
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	1000
Diisononyl Phthalate(DINP)	mg/kg	60	N.D.	N.D.	N.D.	N.D.	1000
Diisobutyl phthalate(DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	1000
Di-n-pentyl Phthalate(DPENP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	1000
Di-n-hexyl Phthalate (DHEXP/DnHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	1000
Dicyclohexyl Phthalate(DCHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	1000
Conclusion	/	/	Pass	Pass	Pass	Pass	/



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Note:

- N.D.= Not Detected or less than MDL
- MDL = Method Detection Limit
- "+" = Composite testing.

FUTURE

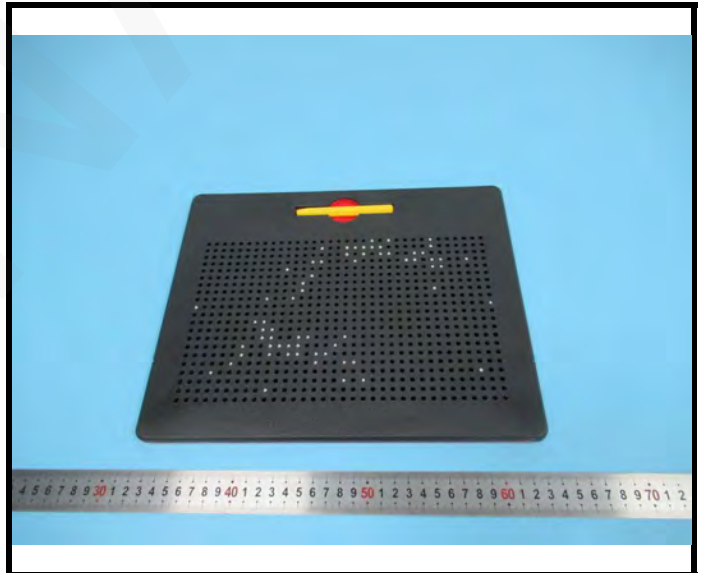
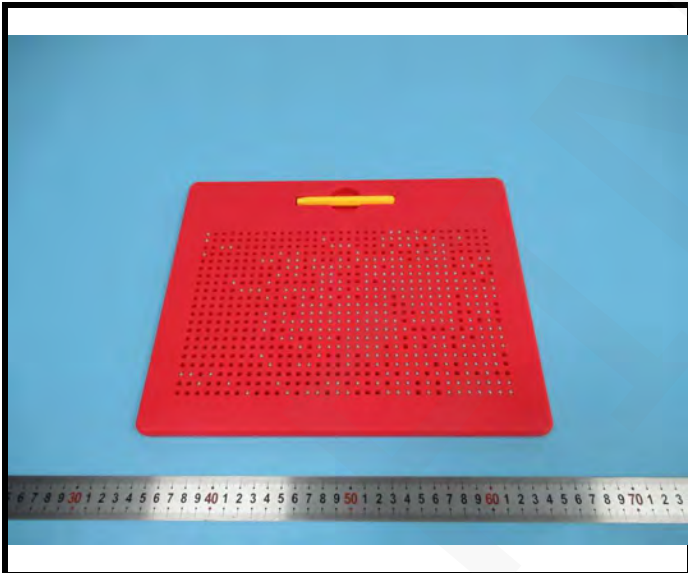
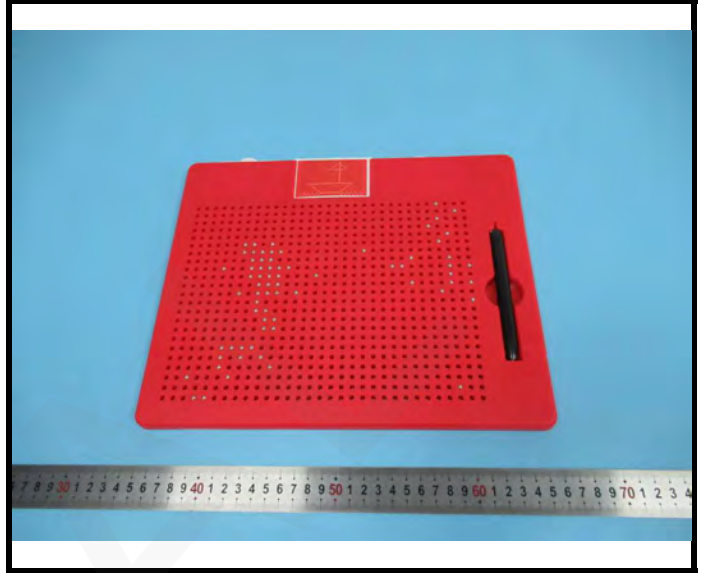
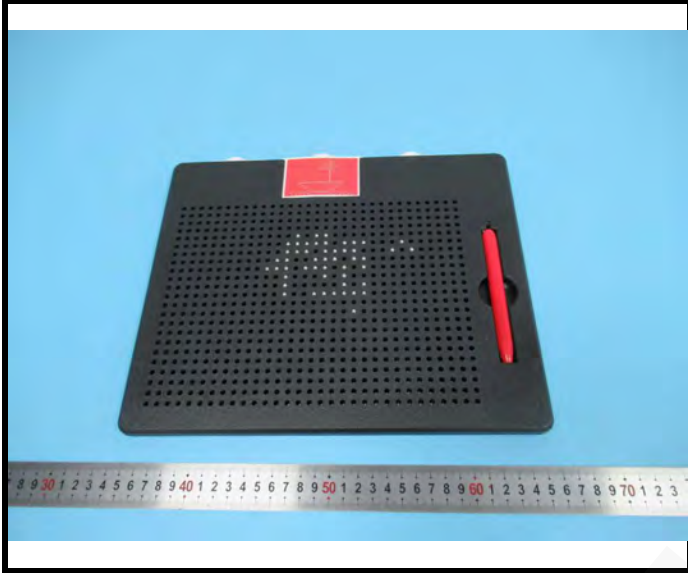
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Photograph of Sample

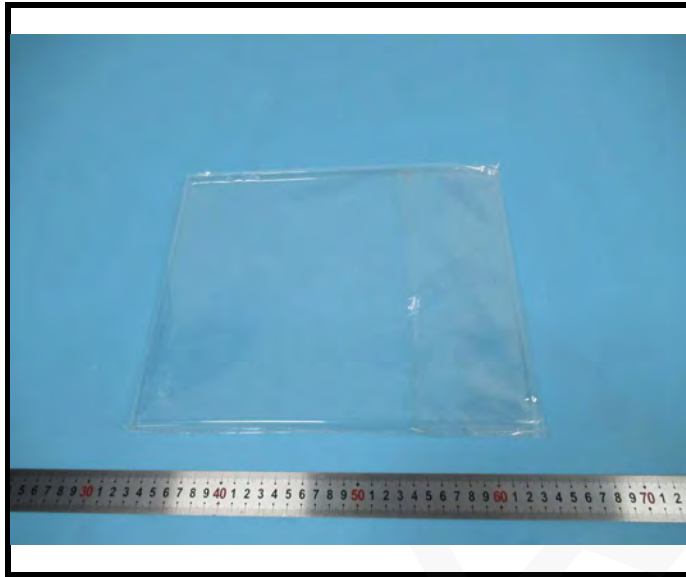


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Statement:

- 1.This report cannot be reproduced except in full, without prior written approval of the Company.
- 2.Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
- 3.This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
- 4.Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
- 5.The information which provided by the applicant, such as sample description, sample name, material component, style/item No. , P.O. No. , manufacturer, age phase, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.
- 6.The test samples were in good condition before testing.

*** End of Report ***