

# TEST REPORT

**APPLICANT** : Ningbo Viga International Co., Ltd

**ADDRESS** : 20F, 588 Canghai Road, Ningbo, China

**SAMPLE DESCRIPTION** : Magnetic Writing Board Uppercase Set /  
Magnetic Writing Board Lowercase Set /  
Magnetic Writing Board Number Set /  
Magnetic Writing Board Geometric Shape Set

**ITEM NO.** : 50337 / 50338 / 50339 / 50340

**COUNTRY OF ORIGIN** : China

**AGE REQUESTED ON APPLICATION FORM** : 18m+

**LABELED AGE GRADE** : Not Present

**AGE GRADE APPLIED IN TESTING** : Over 18 Months

**SAMPLE RECEIVED DATE** : 02-Aug-2018

**TURN AROUND TIME** : 02-Aug-2018 to 08-Aug-2018

The following test item(s) was/were performed on selected sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Total Cadmium Content	REACH Annex XVII, Entry 23	Pass
Formaldehyde Release	EN 717-3-1996	See Test Result
Mechanical and Physical Properties	EN71 Part 1:2014	Pass
Phthalates Content	REACH Annex XVII, Entry 51 & 52	Pass
Flammability of Toys	EN71 Part 2:2011+A1:2014	Pass
Labeling Requirement	Directive 2009/48/EC	See Test Result

*Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to [info.sh@eurofins.com](mailto:info.sh@eurofins.com) and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to [chinacomplaint@eurofins.com](mailto:chinacomplaint@eurofins.com) and referring to this report number.*

**Eurofins (Shanghai) contact information**Customer service: [SallySheng@eurofins.com](mailto:SallySheng@eurofins.com) / +86 21 3620 2998Sales specialist: [JackZhang@eurofins.com](mailto:JackZhang@eurofins.com)/ +86 18601770010

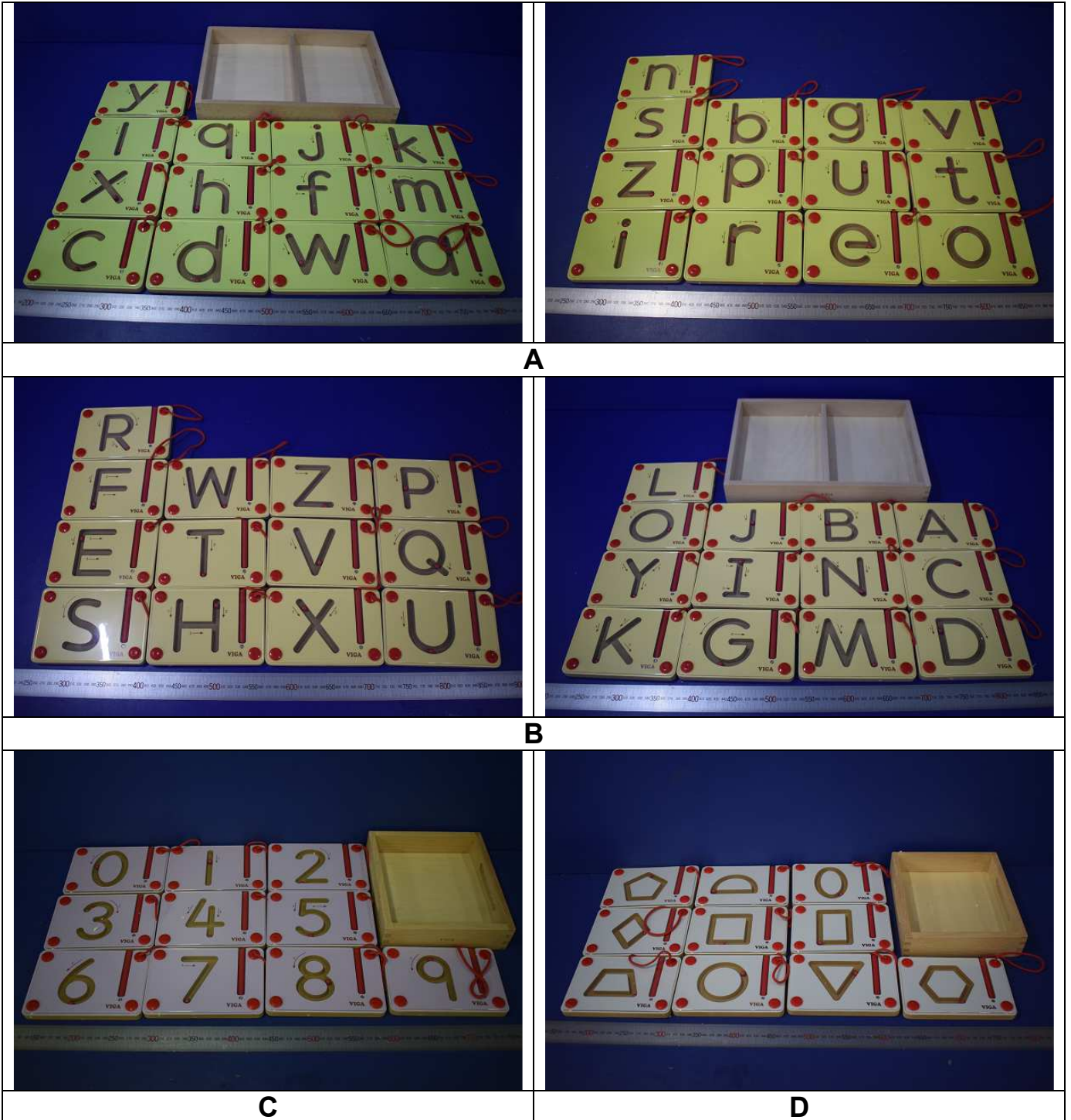
\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*

Signed for and on behalf of  
Eurofins Product Testing Service (Shanghai) Co., Ltd

---

Joyce Liu  
Lab Manager

**SAMPLE PHOTO(S)**



**EFSH18072856-CG-01**

\*\*\*TO BE CONTINUED\*\*\*

## COMPONENT LIST

Component No.	Component	Sample No.
1	Green coating on wood	A
2	Yellow coating on wood	B
3	Violet coating on wood	C
4	Blue grey coating on wood	D
5	Transparent plastic	A B C D
6	Red plastic buckle	A B C D
7	Red plastic stick	A B C D
8	Brown MDF wood	A B
9	Natural color wood (tray)	A B C D
10	Natural color PLY wood (tray)	A B C D

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Total Cadmium Content

Test Request: Total cadmium content as specified in Commission Regulation (EU) 2016/217 amending entry 23 of Annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: EPA 3050B:1996, EPA 3052:1996, EN 1122:2001 Method B, acid digestion method was used and total cadmium content was determined by ICP-OES.

Tested Item(s)	Unit	Limit	MDL	Result	
				1+2+3	4
Total Cadmium(Cd)	%	0.1	0.0005	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result	
				5+6+7	
Total Cadmium(Cd)	%	0.01	0.0005	ND	

**Remark:**

MDL = method detection limit

ND = Not detected, less than MDL

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Formaldehyde Release

Test Method: EN 717-3-1996, formaldehyde release was determined by UV-Visible Spectrophotometer (UV-Vis) analysis.

Tested Item(s)	Unit	MDL	Result		
			8	9	10
Formaldehyde Release	mg/kg	5	11.4	ND	23.6

**Remark:**

MDL = method detection limit

ND = Not detected, less than MDL

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Mechanical and Physical Properties

Test Request: As specified in European Standard on Safety of Toys EN71 Part 1:2014

Section	Description	Result
4	General requirements	
4.1	Material cleanliness (by visual assessment)	P
4.2	Assembly	N/A
4.3	Flexible plastic sheeting	N/A
4.4	Toy Bags	N/A
4.5	Glass	N/A
4.6	Expanding Materials	N/A
4.7	Edges	P
4.8	Points and Metallic Wires	P
4.9	Protruding parts	N/A
4.10	Parts moving against each other	
4.10.1	Folding and sliding mechanisms	N/A
4.10.2	Driving mechanisms.	N/A
4.10.3	Hinges	N/A
4.10.4	Springs	N/A
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	N/A
4.12	Balloons	N/A
4.13	Cords of toy kites and other flying toys.	N/A
4.14	Enclosures	
4.14.1	Toys which a child can enter	N/A
4.14.2	Masks and helmets	N/A
4.15	Toys intended to bear the mass of a child	
4.15.1	Toys propelled by the child or by other means	N/A
4.15.2	Toy bicycles	N/A
4.15.3	Rocking horses and similar toys	N/A
4.15.4	Toys not propelled by a child	N/A
4.15.5	Toys scooters	N/A
4.16	Heavy immobile toys	N/A
4.17	Projectiles	N/A
4.18	Aquatic toys and inflatable toys	N/A
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	N/A
4.20	Acoustics	
4.20.2.1	General	N/A
4.20.2.2	Close-to-the-ear toys	N/A
4.20.2.3	Table-top or floor toys	N/A
4.20.2.4	Hand-held toys	N/A
4.20.2.5	Toys using headphones or earphones	N/A
4.20.2.6	Rattles	N/A
4.20.2.7	Squeeze toys	N/A
4.20.2.8	Pull-along or push toys	N/A
4.20.2.9	Percussion toys	N/A
4.20.2.10	Wind toys	N/A
4.20.2.11	Cap-firing toys	N/A
4.20.2.12	Voice toys	N/A
4.21	Toys containing a non-electrical heat source	N/A
4.22	Small balls	N/A
4.23	Magnets	P

## TEST RESULT

Section	Description	Result
4.24	Yo-yo balls	N/A
4.25	Toys attached to food	N/A
5	Toys intended for children under 36 months	
5.1	General requirements	P
5.2	Soft-filled toys and soft-filled parts of a toy	N/A
5.3	Plastic sheeting	N/A
5.4	Cords, chains and electrical cables in toys	P
5.5	Liquid-filled toys	N/A
5.6	Speed limitation of electrically-driven ride-on toys	N/A
5.7	Glass and porcelain	N/A
5.8	Shape and size of certain toys	N/A
5.9	Toys comprising monofilament fibres	N/A
5.10	Small balls	N/A
5.11	Play figures	N/A
5.12	Hemispheric-shaped toys	N/A
5.13	Suction cups	N/A
5.14	Straps intended to be worn fully or partially around the neck	N/A
6	Packaging	N/A
7	Warnings, markings and instructions for use	
7.1	General	N/A
7.2	Toys not intended for children under 36 months	N/A
7.3	Latex Balloons	N/A
7.4	Aquatic toys	N/A
7.5	Functional Toys	N/A
7.6	Hazardous sharp functional edges and points	N/A
7.7	Projectiles	N/A
7.8	Imitation protective masks and helmets	N/A
7.9	Toy kites	N/A
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	N/A
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator	N/A
7.12	Liquid-filled teethers	N/A
7.13	Percussion caps specifically designed for use in toys	N/A
7.14	Acoustics	N/A
7.15	Toys bicycles	N/A
7.16	Toys intended to bear the mass of a child	N/A
7.17	Toys comprising monofilament fibres	N/A
7.18	Toy scooters	N/A
7.19	Rocking horses and similar toys	N/A
7.20	Magnetic/electrical experimental sets	N/A
7.21	Toy with electrical cables exceeding 300mm in length	N/A
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	N/A

**Remark:**

P – Pass

NA – Not Applicable

\*\*\*TO BE CONTINUED\*\*\*



## TEST RESULT

### Phthalates Content

Test Request: Phthalates Content as specified in Regulation (EU) 2015/326 amending entry 51&52 of annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: EPA 3550C:2007, EPA 8270D:2014, solvent extraction and quantification by GC-MS.

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result
					5+6+7
Dibutylphthalate (DBP)	84-74-2	%	-	0.005	ND
Benzylbutylphthalate (BBP)	85-68-7	%	-	0.005	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	-	0.005	ND
Sum (DBP + BBP + DEHP)	-	%	0.1	-	ND
Di-n-octylphthalate (DNOP)	117-84-0	%	-	0.005	ND
Diisononylphthalate (DINP)	28553-12-0	%	-	0.005	ND
Diisodecylphthalate (DIDP)	26761-40-0	%	-	0.005	ND
Sum (DNOP + DINP + DIDP)	-	%	0.1	-	ND

### Remark:

MDL = method detection limit

ND = Not detected, less than MDL

As per client's request, only the appointed materials have been tested.

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Flammability of Toys

Test Request: As specified in European Standard on Safety of Toys EN71 Part 2:2011+A1:2014

Section	Description	Result
4	Requirements	
4.1	General Requirements	P
4.2	Toys to be worn on the head	N/A
4.3	Toy disguise costumes and toys intended to be worn by a child in play	N/A
4.4	Toys intended to be entered by a child.	N/A
4.5	Soft-filled toys (animals and dolls, etc) (Sample was not tested if its maximum dimension is 150mm or less.)	N/A

**Remark:**

P – Pass

NA – Not Applicable

\*\*\*TO BE CONTINUED\*\*\*

## TEST RESULT

### Labeling Requirement

Test Request: Labeling requirement including Washing/Cleaning instruction, CE mark, importer / manufacturer name and address, product identification as specified in Directive 2009/48/EC – Safety of toys

Labeling Content	Observation Result	Location	Conclusion
Washing/Cleaning Instruction	Not Applicable	-	-
CE Mark	Not Present	-	See Remark 1
Importer's Name & Address	Not Present	-	See Remark 2
Manufacturer's Name & Address	Not Present	-	See Remark 2
Product ID	Not Present	-	See Remark 3

### **Remark:**

1. According to TSD 2009/48/EC, The CE marking shall be affixed before the toy is placed on the market and its height must be at least 5mm.
2. According to TSD 2009/48/EC, manufacturer's and importer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.
3. According to TSD 2009/48/EC, manufacturers shall ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or, where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

\*\*\*END OF THE REPORT\*\*\*