



Pony Testing International Group

Test Report

No.: NMGTV8MK18401957

Date: 2018.10.29

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Applicant:

QINGDAO SANHONG PLASTIC CO.,LTD

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Name: EVA PUZZLE MAT

Manufacturer: QINGDAO SANHONG PLASTIC CO.,LTD

Labelled Age Grading: For ages 5 up

Age Group Applied in Testing: For ages 3 and up

Sample Received Date: 2018.09.18

Testing Period: 2018.09.18 To 2018.10.29

Test Requested:

- (1) EN 71-1: 2014+A1:2018: Mechanical and Physical Properties
- (2) EN 71-2:2011+A1:2014: Flammability
- (3) EN 71-3:2013+A1:2014: Migration of certain elements

Test results:

Please refer to next page(s)

Approved by:

Gaoshenxia

Code: a9x67qc22



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Test results

EN71 Part 1 Mechanical and Physical Properties

4	General Requirements	
4.1	Material cleanliness.....	Pass
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.....	Pass
4.8	Points and metallic, wires.....	Pass
4.9	Protruding parts.....	N/A
4.11	Mouth-actuated toys and other toys intended to be put in the mouth.....	N/A
4.12	Balloons.....	N/A
4.18	Aquatic toys and inflatable toys.....	N/A
4.19	Percussion caps specifically designed for use in toys and toy using percussion caps.....	N/A
4.22	Small balls.....	N/A
5	Toys intended for children under 36 months.....	N/A
5.1	General requirements.....	N/A
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.....	N/A
5.7	Glass and porcelain.....	N/A
5.8	Shape and size of certain toys.....	N/A
5.9	Toys comprising monofilaments fibers.....	N/A
5.10	Small balls.....	N/A
5.11	Play figures.....	N/A
5.12	Hemispheric-shapes 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	Warning, markings and instructions for use.....	#
7.1	General.....	Pass
7.2	Toys not intended for children under 36 months.....	Pass
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

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7.9	Toy kites	N/A
7.10	Roller skates, inline skates, skateboard 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	Toy 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	Toys with electrical cables exceeding 300 mm in length	N/A
7.22	Toys with cords or Chains intended for children of 18 months and over but under 36months....	N/A
8.	Test methods	
8.1	General requirements for testing.....	Pass
8.2	Small parts cylinder	Pass
8.3	Torque test.....	Pass
8.4	Tension test.....	Pass
8.5	Drop test.....	Pass
8.6	Tip over test.....	N/A
8.7	Impact test	Pass
8.8	Compression test	Pass
8.9	Soaking test	N/A
8.10	Accessibility of a part or component	Pass
8.11	Sharpness of edges	Pass
8.12	Sharpness of points	Pass
8.13	Flexibility of metallic wires	N/A
8.14	Expanding materials	N/A
8.16	Geometric shape of certain toys.....	N/A
8.20	Cords cross-sectional dimension.....	N/A
8.25	Plastic sheeting	N/A
8.32	Small balls and suction cups test.....	N/A
8.33	Test for play figures	N/A
8.38	Breakaway feature separation test.....	N/A
8.39	Self-retracting cords	N/A
8.40	Length of cords, chains and electrical cables	N/A

EN71 Part 2 Flammability

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4.1	General requirements.....	Pass
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.....	Pass
5	Test methods	
5.1	General.....	N/A
5.2	Test relating to beards, moustaches, wigs, etc., made from hair, pile or material with similar features (e.g. free-hanging ribbons, paper, cloth strands or other flowing elements), which protrude 50 mm or more from the surface of the toy.....	N/A
5.3	Test relating to beards, moustaches, wigs, etc., made from hair, pile or material with similar features (e.g. free-hanging ribbons, paper, cloth strands or other flowing elements), which protrude less than 50 mm from the surface of the toy, and full or partial moulded head masks.....	N/A
5.4	Test relating to flowing elements of toys to be worn on the head, hoods, head-dresses etc. and masks not covered by 4.2.4 which partially or fully cover the head, toy disguise costumes and toys intended to be entered or worn by a child.....	N/A
5.5	Test for soft-filled toys.....	Pass

Note: (1) N/A = Not Applicable

(2) N/R = Not Requested by applicant

(3) # Toys made available on the market must bear the CE marking. The CE marking is subject to the general principles set out in Article 30 of Regulation (EC) No 765/2008. the manufacture's and importer's name, registered trade name or registered trade mark, the address and the CE- marking shall be indicated on the toy, or where that is not possible, on its packaging or in a document accompany the toy, as specified in Clause 7.

(4) This report alternative test report number NMGA0X2P27511957, Test Report No. NMGA0X2P27511957 void, Does not have any legal effect. This report shall prevail.

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EN71 Part 3 Migration of certain elements

The migrations of elements from toys and parts of toys..... Pass

Test Results (Unit: mg/kg)

Test Item	MDL	Test Result			Limits		
		1	2	3	Category I: Dry, brittle, powder like or pliable	Category II: Liquid or sticky	Category III: Scraped-off
Aluminium	10	10	40	14	5625	1406	70000
Antimony	1	N.D.	N.D.	N.D.	45	11.3	560
Arsenic	0.5	N.D.	N.D.	N.D.	3.8	0.9	47
Barium	10	13	N.D.	126	1500	375	18750
Boron	10	N.D.	N.D.	N.D.	1200	300	15000
Cadmium	0.1	N.D.	N.D.	N.D.	1.3	0.3	17
Chromium(III)	1	N.D.	N.D.	N.D.	37.5	9.4	460
Chromium(VI)	0.2	N.D.	N.D.	N.D.	0.02	0.005	0.2
Cobalt	1	N.D.	N.D.	N.D.	10.5	2.6	130
Copper	10	N.D.	N.D.	N.D.	622.5	156	7700
Lead	1	N.D.	N.D.	N.D.	13.5	3.4	160
Manganese	10	N.D.	N.D.	N.D.	1200	300	15000
Mercury	1	N.D.	N.D.	N.D.	7.5	1.9	94
Nickel	1	N.D.	N.D.	N.D.	75	18.8	930
Selenium	1	N.D.	N.D.	N.D.	37.5	9.4	460
Strontium	10	26	N.D.	N.D.	4500	1125	56000
Tin	10	N.D.	N.D.	N.D.	15000	3750	180000
Organic tin	0.2	See next table	See next table	See next table	0.9	0.2	12
Zinc	10	316	302	622	3750	938	46000

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Organic tin test result (Unit: mg/kg)

Test Item	Test Result		
	1	2	3
MeT	N.D.	N.D.	N.D.
BuT	N.D.	N.D.	N.D.
DProT	N.D.	N.D.	N.D.
DBT	N.D.	N.D.	N.D.
TBT	N.D.	N.D.	N.D.
MOT	N.D.	N.D.	N.D.
TeBT	N.D.	N.D.	N.D.
DPhT	N.D.	N.D.	N.D.
DOT	N.D.	N.D.	N.D.
TPhT	N.D.	N.D.	N.D.

Note: (1) mg/kg = ppm

(2) N.D. = Not Detected (<MDL)

(3) MDL = Method Detection Limit

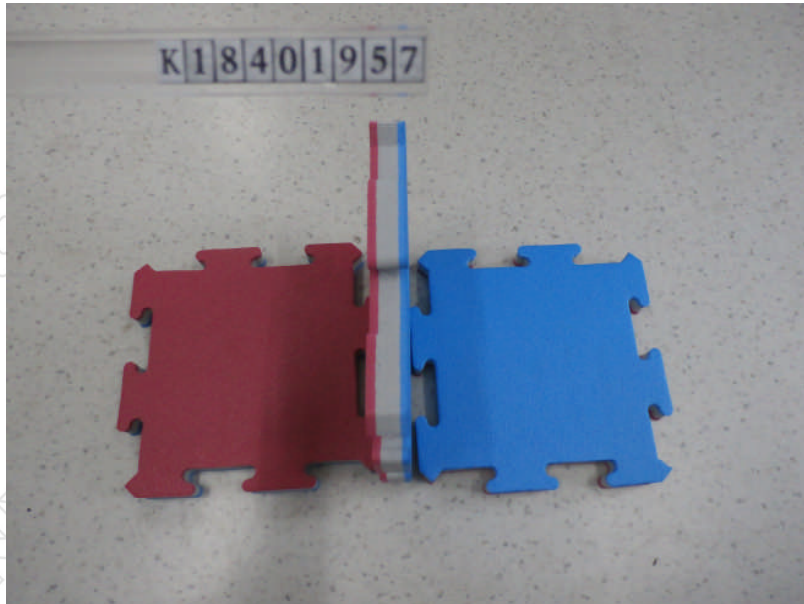
(4) This report alternative test report number NMGA0X2P27511957, Test Report No. NMGA0X2P27511957 void, Does not have any legal effect. This report shall prevail.

The following component list was submitted and indentified on behalf of the client

Component list

No.	Component
1	Blue Surface
2	Red Surface
3	Middle

Sample No. & Photo:



Pony authenticate the photo on original report only

End of report