



Test Report

Number: SHAH00692680

Applicant: NINGBO JOHNSEN STATIONERY CO.,LTD
NO 111-131, DINGXIANG ROAD, JIANGDONG
ZONE, NINGBO CHINA
Attn: GEMINI WU

Date: 04 Jul, 2016

Sample Description:

Two (2) sets of submitted sample said to be :
Item Name : **White Glue 60g, White Glue 120g, White Glue 250g.**
Item No. : **KR971294, KR971295, KR971296.**
Quantity : 2 Sets.
Labelled Age Group : Not Specified.
Packaging Provided By Applicant : No.
Country Of Origin : China.

Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

Conclusion:

Tested Samples	Standard	Result
Submitted Sample Set	EN71-1: 2014 for Mechanical And Physical Properties Excluding Labelling Requirement of Clause 7.	Pass (see remark)
	EN71-2: 2011+A1: 2014 Flammability Test	Pass (see remark)
Tested components of submitted sample	EN 71-3:2013+A1:2014 for migration of certain elements	Pass
Composite tested components and Tested component of submitted sample	Phthalates content requirement in Annex XVII items 51 & 52 of the REACH regulation (EC) NO. 1907/2006 & Amendment NO.552/2009	See comment

Remark: The submitted samples were examined not toys and were not subjected to the scope of the European standard of toys EN71. However, as requested by the applicant, the submitted samples were assessed under the requirement of EN71, and the result met the requirement of the standard.

Comment: The testing scope of the standard was not applicable to the submitted samples. However, the test results of tested component did not exceed the limits of the standard.

To be continued

Authorized By:
For Intertek Testing Services Ltd., Shanghai

Leo Shi
General Manager



Tests Conducted

1 Mechanical and Physical Test

Based on European Standard on Safety of Toys EN71-1: 2014.

Applicant's Specified Age Group for Testing: For ages 3 years and up.

Clause	Testing Items	Assessment
4	General Requirements	
4.1	Material Cleanliness	P
4.2	Assembly	NA
4.3	Flexible Plastic Sheeting	NA
4.4	Toy Bags	NA
4.5	Glass	NA
4.6	Expanding Materials	NA
4.7	Edges	P
4.8	Points and Metallic Wires	P
4.9	Protruding Parts	NA
4.10	Parts Moving Against Each Other	NA
4.11	Mouth Actuated Toys and Other Toys Intended to be Put in the Mouth	NA
4.12	Balloons	NA
4.13	Cords of Toy Kites and Other Flying Toys	NA
4.14	Enclosures	NA
4.15	Toys Intended to Bear the Mass of a Child	NA
4.16	Heavy Immobile Toys	NA
4.17	Projectiles	NA
4.18	Aquatic Toys and Inflatable Toys	NA
4.19	Percussion Caps Specifically Designed for Use in Toys and Toys Using Percussion Caps	NA
4.20	Acoustics	NA
4.21	Toys Containing Non-Electrical Heat Source	NA
4.22	Small Balls	NA
4.23	Magnets	NA
4.24	Yo-yo Balls	NA
4.25	Toys Attached to Food	NA
5	Toys intended for Children under 36 Months	
5.1	General Requirements	NA
5.2	Soft-filled Toys and Soft-filled Parts of a Toy	NA
5.3	Plastic Sheeting	NA
5.4	Cords, Chains and Electrical Cables in Toys	NA
5.5	Liquid-Filled Toys	NA
5.6	Speed Limitation of Electrically-driven Ride-on Toys	NA
5.7	Glass and Porcelain	NA
5.8	Shape and Size of Certain Toys	NA
5.9	Toys Comprising Monofilament Fibres	NA
5.10	Small Balls	NA
5.11	Play Figures	NA

Tests Conducted

5.12	Hemispheric-shaped Toys	NA
5.13	Suction Cups	NA
5.14	Straps Intended to be Worn Fully or Partially Around the Neck	NA
6	Packaging	NA
7	Warnings, Markings and Instructions for Use	#

Remark: P = Pass NA = Not Applicable

= The testing scope of European standard on safety of toy EN71 was not applicable to the submitted samples. Therefore, the warning and other requirements specified in clause 7 did not apply.

Date Sample Received: 17 Jun, 2016
 Testing Period: 17 Jun, 2016 To 22 Jun, 2016

2 Flammability Test

Based on European Standard on Safety of Toys EN71-2: 2011+A1: 2014

Clause	Testing Items	Assessment
4.1	General	P
4.2	Toys to be worn on the head	
4.2.2	Beards, moustaches, wigs, etc., made from hair, pile or material with similar features, which protrude 50 mm or more from the surface of the toy	NA
4.2.3	Beards, moustaches, wigs, etc., made from hair, pile or material with similar features, which protrude less than 50 mm from the surface of the toy	NA
4.2.4	Full or partial moulded head masks	NA
4.2.5	Flowing elements of toys to be worn on the head	NA
4.3	Toy Disguise Costumes and Toys Intended to be Worn by a Child in Play	NA
4.4	Toys Intended to be Entered by a Child	NA
4.5	Soft Filled Toys	NA

Remark : P = Pass NA = Not Applicable

Date Sample Received: 17 Jun, 2016
 Testing Period: 17 Jun, 2016 To 22 Jun, 2016

 To be continued

Tests Conducted

3 19 Toxic Elements Migration Test

(A) Test Result

As per EN 71-3: 2013 and amendment A1:2014 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography-Inductively Coupled Plasma-Mass Spectrometry, and Gas Chromatographic - Mass Spectrometry.

Category (II): Liquid or sticky toy material

<u>Element</u>	<u>Result (mg/kg)</u> (7)	<u>Limit (mg/kg)</u>
Aluminium (Al)	< 100	1406
Antimony (Sb)	< 1.0	11.3
Arsenic (As)	< 0.5	0.9
Barium (Ba)	< 10	375
Boron (B)	< 50	300
Cadmium (Cd)	< 0.1	0.3
Chromium (III) (Cr III)	< 1.0	9.4
Chromium (VI) (Cr VI)	< 0.003	0.005
Cobalt (Co)	< 1.0	2.6
Copper (Cu)	< 10	156
Lead (Pb)	< 1.0	3.4
Manganese (Mn)	< 10	300
Mercury (Hg)	< 1.0	1.9
Nickel (Ni)	< 1.0	18.8
Selenium (Se)	< 1.0	9.4
Strontium (Sr)	< 100	1125
Tin (Sn)	< 10	3750
Organic tin	< 0.15	0.2
Zinc (Zn)	< 100	938

Category (III): Scraped-off toy material

<u>Element</u>	<u>Result (mg/kg)</u>						<u>Limit (mg/kg)</u>
	(1)	(2)	(3)	(4)	(5)	(6)	
Aluminium (Al)	< 300	< 300	< 300	< 300	562	< 300	70000
Antimony (Sb)	< 10	< 10	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III)	< 10	< 10	< 10	< 10	< 10	< 10	460
Chromium (VI) (Cr VI)	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	< 0.15	0.2
Cobalt (Co)	< 10	< 10	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	< 10	< 10	160
Manganese (Mn)	< 10	< 10	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	< 10	180000
Organic tin	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	< 100	< 100	46000

To be continued

Tests Conducted

Remark: mg/kg = Milligram per kilogram

- Organic tin test result was expressed as tributyl tin.
- Unless specified, test results of Chromium (III), Chromium (VI) and Organic tin were derived from migration results of total chromium and tin respectively.

Tested Components: See component list in the last section of this report.

(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III: Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).

Date Sample Received: 17 Jun, 2016

Testing Period: 17 Jun, 2016 To 22 Jun, 2016

4 Phthalate content test

With reference to EN 14372, by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

<u>Tested compound</u>	<u>Result (%w/w)</u>			<u>Limit(%w/w) (MAX.)</u>
	(1)	(2+3+4)	(7)	
Di-butyl phthalate (DBP)	ND	ND	ND	---
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	ND	---
Benzyl butyl phthalate (BBP)	ND	ND	ND	---
Sum of three phthalates	ND	ND	ND	0.1
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	---
Di-n-octyl phthalate (DNOP)	ND	ND	ND	---
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	---
Sum of three phthalates	ND	ND	ND	0.1

Remark: The above limit was quoted according to Annex XVII items 51 & 52 of the REACH regulation (EC) NO.1907/2006 & Amendment NO.552/2009 for phthalate content in toys and children care articles.

Detection limit = 0.01%(w/w)
ND = Not detected

Tested components: See component list in the last section of this report.

Date Sample Received: 17 Jun, 2016

Testing Period: 17 Jun, 2016 To 02 Jul, 2016

To be continued

Tests Conducted



Components List:

- (1) White soft plastic.(bottle body)
- (2) White plastic.(bottle mouth)
- (3) Light green plastic.(bottle cap)
- (4) Black plastic.(inside bottle)
- (5) White adhesive paper with transparent plastic film and underlying four-color printed coating.
- (6) White adhesive paper with black printing.
- (7) White glue.

End of report

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct.