

TEST REPORT

APPLICANT : Ningbo Johnshen Stationery Co., Ltd
ADDRESS : No.119 Ding xiang Road, Jiangdong Zone, Ningbo, Zhejiang
SAMPLE DESCRIPTION : Transparent glue stick
COUNTRY OF ORIGIN : China
AGE REQUESTED ON APPLICATION FORM : 3+
LABELED AGE GRADE : Not Present
AGE GRADE APPLIED IN TESTING : Over 3 Years
SAMPLE RECEIVED DATE : 25-Feb-2016
TURN AROUND TIME : 25-Feb-2016 to 01-Mar-2016, 4 Working Days

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

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Mechanical and Physical Properties	EN71 Part 1:2014	Pass (Except Section 7.1 & 7.2)
Labeling Requirement	Directive 2009/48/EC	See Test Result
Flammability of Toys	EN71 Part 2:2011+A1:2014	Pass
Migration of Certain Elements	EN71 Part 3:2013+A1:2014	Pass

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

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



 Terric Ji
 Lab Manager

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 sh.info@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.

SAMPLE PHOTO



EFSH16020547-CG-01

TO BE CONTINUED

COMPONENT LIST

Component No.	Component
1	Transparent glue

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	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:	
4.10.1	Folding and sliding mechanisms	NA
4.10.2	Driving mechanisms.	NA
4.10.3	Hinges	NA
4.10.4	Springs	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:	
4.14.1	Toys which a child can enter	NA
4.14.2	Masks and helmets	NA
4.15	Toys intended to bear the mass of a child:	
4.15.1	Toys propelled by the child or by other means	NA
4.15.2	Toy bicycles	NA
4.15.3	Rocking horses and similar toys	NA
4.15.4	Toys not propelled by a child	NA
4.15.5	Toys scooters	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	
4.20.2.1	General	NA
4.20.2.2	Close-to-the-ear toys	NA
4.20.2.3	Table-top or floor toys	NA
4.20.2.4	Hand-held toys	NA
4.20.2.5	Toys using headphones or earphones	NA
4.20.2.6	Rattles	NA
4.20.2.7	Squeeze toys	NA
4.20.2.8	Pull-along or push toys	NA
4.20.2.9	Percussion toys	NA
4.20.2.10	Wind toys	NA
4.20.2.11	Cap-firing toys	NA
4.20.2.12	Voice toys	NA
4.21	Toys containing a non-electrical heat source	NA

TO BE CONTINUED

TEST RESULT

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
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	
7.1	General	N/R (See Remark)
7.2	Toys not intended for children under 36 months	N/R (See Remark)
7.3	Latex Balloons	NA
7.4	Aquatic toys	NA
7.5	Functional Toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectiles	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	NA
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethingers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toys bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toy with electrical cables exceeding 300mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA

Note:

P – Pass, NA – Not Applicable, N/R – Not Request

Remark: The glue's cap was small part as received. There should be appropriate age warning on toy or its packaging. As per client's request, exclude clause 7.1 & 7.2.

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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

	Observation Result	Location	Conclusion
Washing/Cleaning instruction	Not Applicable	--	--
CE mark	Not Present	--	See Note 1
Importer's Name & Address	Not Present	--	See Note 2
Manufacturer's Name & Address	Not Present	--	
Product ID	Not Present	--	See Note 3

Note:

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.

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	Pass
4.2	Toys to be worn on the head	Not Applicable
4.3	Toy disguise costumes and toys intended to be worn by a child in play	Not Applicable
4.4	Toys intended to be entered by a child.	Not Applicable
4.5	Soft-filled toys (animals and dolls, etc) (Sample was not tested if its maximum dimension is 150mm or less.)	Not Applicable

TO BE CONTINUED

TEST RESULT

Migration of Certain Elements

Test Request: Migration of certain elements as specified in European Standard on Safety of Toys EN71 Part 3:2013+A1:2014

Test Method: Extractable Organic Tin –With reference to EN 71 Part 3:2013+A1:2014, analysis was performed by GC-MS.
 General elements – With reference to EN 71 Part 3:2013+A1:2014, analysis was performed by ICP-MS.
 For Category III, Extractable Chromium(III) and Chromium(VI) – With reference to EN 71 Part 3:2013+A1:2014, analysis was performed by HPLC-ICP-MS.
 For Category I & II Extractable Chromium(III) and Chromium(VI) – With reference to EN 71 Part 3:2013+A1:2014, determination of the content of total Chromium analysis was performed by ICP-MS; Extractable Chromium(III) – With reference to EN 71 Part 3:2013+A1:2014, analysis was performed by HPLC-ICP-MS.

Test Item(s):	Unit	Result
		I
Category Type		II
Extractable Lead (Pb)	mg/kg	ND
Extractable Antimony (Sb)	mg/kg	ND
Extractable Arsenic (As)	mg/kg	ND
Extractable Barium (Ba)	mg/kg	ND
Extractable Cadmium (Cd)	mg/kg	ND
Extractable Mercury (Hg)	mg/kg	ND
Extractable Selenium (Se)	mg/kg	ND
Extractable Boron (B)	mg/kg	ND
Extractable Cobalt (Co)	mg/kg	ND
Extractable Manganese (Mn)	mg/kg	ND
Extractable Strontium (Sr)	mg/kg	ND
Extractable Zinc (Zn)	mg/kg	ND
Extractable Copper (Cu)	mg/kg	ND
Extractable Aluminum (Al)	mg/kg	ND
Extractable Nickel (Ni)	mg/kg	ND
Extractable Tin (Sn)	mg/kg	ND
Extractable Organic Tin ^{#1}	mg/kg	ND
Extractable Chromium ^{#2}	mg/kg	ND
Extractable Chromium (III) (Cr III)	mg/kg	-
Extractable Chromium (VI) (Cr VI)	mg/kg	-

Remarks:

mg/kg = milligram per kilogram

MDL = Method Detection Limit

ND = Not Detected, less than MDL

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

Note:

^{#1} - The migration of organic tin is expressed as tributyltin.

^{#2} - If the migration of total Chromium is below the maximum limit for Chromium (VI), it can be inferred that the material complies with the requirements for both Chromium(III) and Chromium(VI).

TO BE CONTINUED

TEST RESULT

Limits –MDL per category type:

Test Item(s):	Unit	Limit	MDL	Limit	MDL	Limit	MDL
		I		II		III	
Category Type							
Extractable Lead (Pb)	mg/kg	13.5	1	3.4	0.2	160	10
Extractable Antimony (Sb)	mg/kg	45	5	11.3	1	560	10
Extractable Arsenic (As)	mg/kg	3.8	0.2	0.9	0.1	47	5
Extractable Barium (Ba)	mg/kg	1500	50	375	10	18750	50
Extractable Cadmium (Cd)	mg/kg	1.3	0.1	0.3	0.05	17	1
Extractable Mercury (Hg)	mg/kg	7.5	0.5	1.9	0.2	94	10
Extractable Selenium (Se)	mg/kg	37.5	2	9.4	1	460	10
Extractable Boron (B)	mg/kg	1200	50	300	10	15000	50
Extractable Cobalt (Co)	mg/kg	10.5	1	2.6	0.2	130	10
Extractable Manganese (Mn)	mg/kg	1200	50	300	10	15000	50
Extractable Strontium (Sr)	mg/kg	4500	50	1125	50	56000	50
Extractable Zinc (Zn)	mg/kg	3750	50	938	50	46000	50
Extractable Copper (Cu)	mg/kg	622.5	10	156	10	7700	50
Extractable Aluminum (Al)	mg/kg	5625	50	1406	50	70000	50
Extractable Nickel (Ni)	mg/kg	75	5	18.8	2	930	10
Extractable Tin (Sn)	mg/kg	15000	50	3750	50	180000	50
Extractable Organic Tin ^{#1}	mg/kg	0.9	0.2	0.2	0.2	12	0.2
Extractable Chromium ^{#2}	mg/kg	-	0.02	-	0.005	-	0.02
Extractable Chromium (III) (Cr III)	mg/kg	37.5	2	9.4	1	460	10
Extractable Chromium (VI) (Cr VI)	mg/kg	0.02	0.02	0.005	0.005	0.2	0.1

Category I: dry, brittle, powder-like or pliable toy material

Category II: liquid or sticky toy material

Category III: scrapped-off toy material

“-“ : Not Regulated

*** END OF THE REPORT ***