



**BUREAU  
VERITAS**

CONSUMER PRODUCTS SERVICES DIVISION

**NINGBO COLORSWOO ART SUPPLY CO.,LTD**

**Technical Report: (2417)331-0035**  
Date Received: NOV.28, 2017

DEC.12, 2017  
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NINGBO COLORSWOO ART SUPPLY CO.,LTD  
ROOM 1403,BLOCK A, CHANGJIANG BUILDING,MINGZHOU  
ROAD, BEILUN, NINGBO,315800,CHINA

**SAMPLE INFORMATION:**

<b>Sample Description:</b>	WATER COLOR CAKE/AQUARELLE 24COLORS	<b>Pre-Quality Test:</b>	N/A
<b>Vendor:</b>	N/A	<b>Sample Size:</b>	2PCS
<b>Manufacturer:</b>	N/A	<b>Style No(s):</b>	N/A
<b>Buyer:</b>	N/A	<b>SKN/SKU No.:</b>	N/A
<b>Labeled Age Grade:</b>	N/A	<b>PO No.:</b>	N/A
<b>Appropriate Age Grade:</b>	N/A	<b>Ref #:</b>	N/A
<b>Client Specified Age Grade:</b>	OVER 3 YEARS OF AGE	<b>Country of Origin:</b>	N/A
<b>Tested Age Grade:</b>	OVER 3 YEARS OF AGE	<b>Assortment No.:</b>	N/A
<b>UPC Code:</b>	N/A	<b>Country of Destination:</b>	N/A

**EXECUTIVE SUMMARY:**

TEST REQUESTED	CONCLUSION
The mechanical and physical properties requirements of the tested subclauses of the European Standard, "Safety of toys", EN71: Part 1: 2014 clauses 1-7.	PASS
Labeling requirements of "CE marking, manufacturer/ Importer name and address, and product identification" under "Directive 2009/48/EC Safety of Toy".	PASS
The flammability requirements of the European Standard "Safety of Toys", EN 71: Part 2: 2011+ A1: 2014.	PASS
Colorants Content - EN71-9: 2005 + A1:2007: Organic chemical compounds	PASS

**Note:**

- 1.The samples is tested as "Over 3 Years of age" per the client' s request
- 2.Only importer name and address was presented on the product/ packaging. If the manufacturer (declaring himself as manufacturer by establishing and signing the EC declaration of conformity) is outside the community and the products are placed on the EU market by an importer, the toy will bear two company name and addresses: the one of the manufacturer and the one of the importer.
- 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.
- 4.According to TSD 2009/48/EC, the manufacturers/ importer shall indicate their name, registered trade name or registered trade mark and the address at which they can be contacted on the toy, or, where that is not possible, on its packaging or in a document accompanying the toy.

**Bureau Veritas Consumer Products  
Services, Inc. (Shanghai), Ningbo Branch**  
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**BVCPS (NINGBO) GENERAL CONTACT INFORMATION FOR THIS REPORT**

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**BUREAU VERITAS  
CONSUMER PRODUCTS SERVICE DIVISION (SHANGHAI) NINGBO  
BRANCH**

*Lisa Su*

LISA SU  
LAB MANAGER(HARDLINE AND TOY DIVISION)

**DRAFT**



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### APPROPRIATE AGE GRADE DETERMINATION

The Appropriate Age Grade is determined with reference to the EN71 :Part 1:2014, European Union Guidance Documents, CEN ISO/TR 8124-8:2016 Safety of toys - Part 8: Age determination guidelines and Age Determination Guidelines: Relating Children's Ages to Toy Characteristics and Play Behavior, September, 2002	
Note :	The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be used for testing.
Note :	If the client does not specify an age grade for testing or request Bureau Veritas Consumer Products Services, Inc. to determine an appropriate age grade, the labeled age grade will be used for testing.

### EXPLANATION OF THE ABBREVIATIONS FOR PART 1, 2

Symbol	Explanation				
NM	The samples are NOT IN COMPLIANCE WITH the requirement of this Subclause				
M	The samples are IN COMPLIANCE WITH the requirement of this Subclause				
NA	Not Applicable				
NR	Not Requested				
NE	Not Evaluated				
NP	None Present				
P	Present				
R	Refer to Comment Section of this report				
Symbol	Language Present	Symbol	Language Present	Symbol	Language Present
B	Belgian language	G	German language	PR	Portuguese language
D	Danish language	GR	Greek language	S	Spanish language
E	English language	H	Dutch language	SD	Swedish language
F	Finnish language	I	Italian language	SZ	Swiss language
FR	French language	N	Norwegian language		



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**MECHANICAL & PHYSICAL PROPERTIES  
(EN 71: PART 1 – 2014)**

Subclause	Requirement	Result
4.1	Material cleanliness	M
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 & 7.6	Edges	M
4.8 & 7.6	Points and metallic wires	M
4.8e	Splinters	M
4.9	Protruding parts	NA
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 & 7.3	Balloons	NA
4.13 & 7.9	Cord of toy kites and other flying toys	NA
4.14.1	Toys which a child can enter	NA
4.14.2 & 7.8	Masks and helmets	NA
4.15.1	Toys propelled by child	
4.15.1.2 & 7.10.1 & 7.10.2 & 7.10.3 & 7.10.4 & 7.16	Toys propelled by child – Instructions for use	NA
4.15.1.3	Toys propelled by child – Strength	NA
4.15.1.4	Toys propelled by child – Stability	NA
4.15.1.5	Toys propelled by child – Braking	NA
4.15.1.6	Toys propelled by child - Transmission	NA
4.15.1.7	Toys propelled by child – insertion mark	NA
4.15.1.8	Electrically-driven ride-on toys	NA
4.15.2	Toy bicycles	
4.15.2.2 & 7.15	Toy bicycles – Warnings and instructions for use	NA
4.15.2.3	Toy bicycles – Braking	NA
4.15.3 & 7.16 & 7.19	Rocking horses and similar toys	NA
4.15.4 & 7.16	Toys not propelled by child	NA
4.15.5 & 7.18	Toy scooters	NA
4.16	Heavy immobile toys	NA
4.17.1	Projectiles – General	NA
4.17.2	Projectiles toys without stored energy	NA
4.17.3 & 7.7	Projectile toys with stored energy	NA
4.17.4 & 7.7	Bows and arrows	NA
4.18 & 7.4	Aquatic toys and inflatable toys	NA
4.19 & 7.13 & 7.14	Percussion caps	NA



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**MECHANICAL & PHYSICAL PROPERTIES  
(EN 71: PART 1 – 2014)**

Subclause	Requirement	Result
*4.20.2.1- 4.20.2.8, 4.20.2.10, 4.20.2.12	Acoustics	NA
4.20.2.9, 4.20.2.11 & 7.14	Acoustics – percussion toys & cap-firing toys	NA
4.21	Toys containing a non-electrical heat source	NA
4.22 & 7.2	Small balls	NA
4.23	Magnet	
4.23.2 a, b & c	Toy other than magnetic / electrical experimental sets intended for children over 8 years	NA
4.23.3 & 7.20	Magnetic / electrical experimental sets intended for children over 8 years	NA
4.24	Yo-yo ball	NA
4.25	Toys attached to food	NA
<b>FOR TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS</b>		
5.1	General	NA
5.1a	Small parts – as received	NA
5.1b	Small parts, sharp points, sharp edges – after tests	NA
5.1c	Cross section <2mm metal points & wires	NA
5.1e	Toys contain glue	NA
5.1f	Casing of toys	NA
5.2	Fillings, coverings and seams	NA
5.3	Adhesion of plastic sheeting	NA
5.4 &	Cords on toys	NA
5.4(a)	Cords connected to self-retraction mechanism or in pull along toys	NA
5.4(b) & 7.22	Cords and chains that can form tangled loop or noose	NA
5.4(c) & 7.22	Fixed loop of cords or chains	NA
5.4(d)	Nooses	NA
5.4(e)	Self-retraction mechanism	NA
5.4(f) & 7.11	Toy across cradle, cot or perambulator	NA
5.4(g) & 7.22	Cords and chains with free end (exclude pull along toy)	NA
5.4(h)	Cords and chains with free end on pull along toy	NA
5.4(i) & 7.21	Electrical cables	NA
5.5 & 7.12	Liquid filled toys	NA
5.6	Electrically driven toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size	NA
5.9 & 7.17	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
<b>WARNINGS, INSTRUCTIONS FOR USE</b>		NA
7.1	General	M



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**MECHANICAL & PHYSICAL PROPERTIES  
(EN 71: PART 1 – 2014)**

Subclause	Requirement	Result
7.2	Toys not intended for children under 36 months	M
7.5	Functional toys	NA

**2009/48/EC General Labeling Requirement**

Requirement	Result
CE Mark	M
Manufacturer/ Importer name and address	M-SEE NOTE 2 AND NOTE 4
Product Identification	M- SEE NOTE3

**REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 1**

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.3	8.25.1	4.14.2	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.11, 8.12	4.17.3	8.24.1	5.3	8.4.2.1, 8.25
4.5	8.5, 8.7, 8.11, 8.12	4.15.1.3	8.11, 8.12, 8.21, 8.22	4.17.4	8.24.2	5.4	8.20, 8.36, 8.38, 8.39, 8.40
4.6	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.14	4.15.1.4	8.23.1	4.18	8.2, 8.3, 8.4.2.1	5.5	8.15
4.7	8.11	4.15.1.5	8.26.1	4.20	8.28	5.6	8.29
4.8	8.12, 8.13	4.15.1.8	8.29	4.21	8.30	5.8	8.16
4.9	8.4.2.3, 8.11, 8.12	4.15.2.4	8.26.2	4.22	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.32	5.10	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9, 8.32
4.10.1	8.18.2, 8.18.3	4.15.3	8.21, 8.23.1	4.23	8.2, 8.3, 8.4.2.1, 8.4.2.2, 8.5, 8.6, 8.7, 8.8, 8.34, 8.35	5.11	8.33
4.10.2	8.5, 8.6, 8.7, 8.11, 8.12	4.15.4	8.21, 8.23.1	4.24	8.37	5.12	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9
4.11	8.2, 8.3, 8.4.2.1, 8.9, 8.17	4.15.5	8.11, 8.12, 8.21, 8.22, 8.26.3, 8.27	4.25	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32.1	5.13	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32
4.13	8.19	4.16	8.23.2	5.1	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.9, 8.11, 8.12		
4.14.1	8.31.1, 8.31.2	4.17.1	8.4.2.3				



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**FLAMMABILITY (BS EN 71 PART 2: 2011 + A1: 2014)**

Subclause	Requirement	Result
4.1	Cellulose nitrate	NP
4.1	Surface flash on a piled surface	NA
4.1	Flammable gases	NA
4.1	Extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels	NA
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by child in play	NA
4.3	warning on product and packaging (10 - 30 mm/s)	NA
4.4	Toys intended to be entered by a child	NA
4.4	warning on product and packaging (10 - 30 mm/s)	NA
4.5	Soft-filled toys	NA

**REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 2**

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.2.2	5.2	4.2.4	5.3	4.3	5.4	4.5	5.5
4.2.3	5.3	4.2.5	5.4	4.4	5.4	-	-



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Test Item(s)	Description(s)	Location(s)	Style(s)
1	Dark yellow paint	-	-
2	Light green paint	-	-
3	Incarnadine paint	-	-
4	Light brown paint	-	-
5	Green paint	-	-
6	See blue paint	-	-
7	Dark green paint	-	-
8	Black paint	-	-
9	Rose paint	-	-
10	Red paint	-	-
11	Orange paint	-	-
12	Dark pink paint	-	-
13	Purplish red paint	-	-
14	Purple paint	-	-
15	Brown green paint	-	-
16	Dark blue paint	-	-
17	White paint	-	-
18	Pink paint	-	-
19	Yellow paint	-	-
20	Dark green paint	-	-
21	Dark brown paint	-	-
22	Blue paint	-	-
23	Gray paint	-	-
24	Taupe gray taupe	-	-









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Parameter	Unit	Result								Maximum Allowable Limit
		17	18	19	20	21	22	23	24	
Disperse Blue 1	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	Action limit (10)
Disperse Blue 3	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	Action limit (10)
Disperse Blue 106	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	Action limit (10)
Disperse Blue 124	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	Action limit (10)
Disperse Yellow 3	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	Action limit (10)
Disperse Orange 3	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	Action limit (10)
Disperse Orange 37/76	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	Action limit (10)
Disperse Red 1	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	Action limit (10)
Solvent Yellow 1	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	Action limit (10)
Solvent Yellow 2	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	Action limit (10)
Solvent Yellow 3	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	Action limit (10)
Basic Red 9	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	Action limit (10)
Basic Violet 1 & Basic Violet 3	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	Action limit (10)
Acid Red 26	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	Action limit (10)
Acid Violet 49	mg/kg	<10	<10	<10	<10	<10	<10	<10	<10	Action limit (10)
<b>Conclusion</b>	-	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	-

Note: mg/kg = milligram per kilogram  
 "<" = less than

Method: EN 71-10: 2005 and EN 71-11: 2005.



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SAMPLE REFERENCE PHOTO:



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