

TEST REPORT

Applicant: Colorful View Co. Ltd.
4F, No. 66-8, Sec. 2, Nan Kan Rd.,
Lu Ju District, Taoyuan City 33855,
Taiwan, R.O.C.

Number : TWNH00078759

Date May 27, 2019

Sample Description:

One (1) groups/pieces of submitted samples said to be :
Item name : Glitter Wand
Item no. : KC-S13/BA-07/BA-2001/BA-2101
Quantity : 1 Group
Country of origin : Taiwan
Date sample received : May 13, 2019
Date test started : May 13, 2019

Test Conducted:

As requested by the applicant, for details please refer to attached pages.

Conclusion:

<u>Tested sample</u>	<u>Standard</u>	<u>Result</u>
Submitted Samples	Mechanical and physical properties – As per European standard on safety of toys EN 71 part 1:2014 + A1 : 2018	Pass
	Flammability test – As per European standard on safety of toys EN 71 part 2: 2011 + A1:2014	Pass
Tested Components Of Submitted Samples	19 Toxic Element Migration Test – As per European standard on safety of toys EN71-3:2013+A3:2018	Pass
	Total Cadmium (Cd) Content – As per annex XVII item 23 of the REACH regulation (EC) No. 1907/2006	Pass
	Phthalates Content – As per applicant's request with reference to entry 51 and entry 52 of Annex XVII to REACH regulation (EC) No. 1907/2006 and it's amendment (EU) 2018/2005	Pass

Authorized By:
On behalf of Intertek Testing Services
Taiwan Limited

Matt Wang
Sr. Manager



Signed by:

Thomas Chou

Thomas Chou
Manager



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- Note : The attention of the applicant is drawn to the need for the item to be labeled as below
- Toys made available on the market shall bear the CE marking. The CE marking shall be subject to the general principles set out in Article 30 of Regulation (EC) No 765/2008. The CE marking shall be affixed visibly, legibly and indelibly to the toy, to an affixed label or to the packaging. In the case of small toys and toys consisting of small parts, the CE marking may alternatively be affixed to a label or an accompanying leaflet. Where, in the case of toys sold in counter displays, that is not technically possible, and on condition that the counter display was originally used as packaging for the toy, the CE marking may be affixed to the counter display. Where the CE marking is not visible from outside the packaging, if any, it shall as a minimum be affixed to the packaging. Where specific legislation does not impose specific dimensions, the CE marking shall be at least 5 mm high.
 - The manufacturer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy. This requirement applies also to the name and address etc. of any importer.
 - 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.
 - Manufacturers and importers shall ensure that the toy is accompanied by instructions and safety information in a language or languages easily understood by consumers, as determined by the Member State concerned.
 - A Member State may, within its territory, stipulate that warnings and safety instructions shall be written in a language or languages easily understood by consumers, as determined by that Member State.

If this information is not fixed to the toy itself, it should be accompanied by a notice in advising the purchaser to retain it.

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Matt Wang
Sr. Manager

Signed by:



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Manager



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Test Conducted

1. Mechanical and Physical Properties

As per European standard on safety of toys EN 71 part 1:2014 + A1 : 2018

Item no. : KC-S13

Appropriate age group for testing : For ages over 3 years

<u>Clause</u>	<u>Testing item</u>	<u>Assessment</u>
4*	General requirements	P
5	Toys intended for children under 36 months	NA
6	Packaging	NA
7*	Warnings, markings and instructions for use	P (See Note)

Remarks : P = Pass ; NA = Not applicable
* = The following subclauses of the standard are found applicable :

- 1) 4.1 Material cleanliness
- 2) 4.7 Edges
- 3) 4.8 Points and metallic, wires
- 4) 7.1 General
- 5) 7.2 Toys not intended for children under 36 months

Item no. : BA-07 / BA-2001 / BA-2101

Appropriate age group for testing # : For ages over 3 years

<u>Clause</u>	<u>Testing item</u>	<u>Assessment</u>
4*	General requirements	P
5	Toys intended for children under 36 months	NA
6	Packaging	NA
7*	Warnings, markings and instructions for use	P # (See Note)

Remarks : P = Pass ; NA = Not applicable
= The applicant has certified that proper age grading, label and marking will put on the final product, and the age grading, label and marking certified meet the requirement of this standard. It is applicant's responsibility to make sure the final product with the age grading, label and marking as certified.
* = The following subclauses of the standard are found applicable :

- 1) 4.1 Material cleanliness
- 2) 4.7 Edges
- 3) 4.8 Points and metallic, wires
- 4) 7.2 Toys not intended for children under 36 months



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2. Flammability Test

As per European standard on safety of toys EN 71 part 2 : 2011 + A1:2014

<u>Clause</u>	<u>Testing item</u>	<u>Assessment</u>
4.1	General	
	– Cellulose nitrate	P
	– Pile surface	NA
	– Flammable gas and liquid	NA
4.2	Toys to be worn on the head (5.2/5.3/5.4)	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play (5.4)	NA
4.4	Toys intended to be entered by a child (5.4)	NA
4.5	Soft-filled toys(5.5)	NA

Remarks : P = Pass
 NA = Not applicable

3. 19 Toxic Element Migration Test

As per EN71-3:2013+A3:2018 and followed by UV-Vis Spectrophotometer (UV-VIS), Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES) and Inductively Coupled Plasma Mass Spectrometer (ICP-MS).

Category III: Scraped-off toy material, e.g. coatings, plastics, paper, textiles, glass, metallic, wooden, leather.

<u>Element</u>	<u>Result (mg/kg)</u>		<u>Detection limit (mg/kg)</u>	<u>Limit (mg/kg)</u>
	<u>(1)</u>	<u>(2)</u>		
Aluminium (Al)	ND	ND	300	70000
Antimony (Sb)	ND	ND	10	560
Arsenic (As)	ND	ND	10	47
Barium (Ba)	ND	ND	10	18750
Boron (B)	ND	ND	50	15000
Cadmium (Cd)	ND	ND	5.0	17
Chromium (III) (Cr ³⁺)	ND	ND	10	460
Chromium (VI) (Cr ⁶⁺)	ND	ND	0.053	0.053
Cobalt (Co)	ND	ND	10	130
Copper (Cu)	ND	ND	10	7700
Lead (Pb)	ND	ND	1.0	23
Manganese (Mn)	ND	ND	10	15000
Mercury (Hg)	ND	ND	10	94
Nickel (Ni)	ND	32	10	930
Selenium (Se)	ND	ND	10	460
Strontium (Sr)	ND	ND	100	56000
Tin (Sn)	ND	ND	10	180000
Organic tin	ND	ND	3.0	12
Zinc (Zn)	ND	ND	100	46000



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3. 19 Toxic Element Migration Test

- Remarks:
1. Organic tin test result was expressed as tributyl tin.
 2. The migration limit (0.053 mg/kg) of chromium (VI) for Category (III) is quoted from Directive (EU) 2018/725 and will be enforced from 18 November 2019.
 3. According to the Annex F to EN 71-3:2013, the content of Chromium (III) from the migration solution was calculated through the formula: Chromium (III) = Total Chromium – Chromium(VI).
 4. The scope of confirmation test for organic tin includes Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Triphenyl tin, Trimethyltin, Dimethyltin, Tricyclohexyltin and Trioctyltin and reports the total value after converted to Tributyl tin.
- mg/kg = milligram per kilogram
ND = Not detected

4. Total Cadmium (Cd) Content

Acid digestion method was used and total cadmium content was determined by Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES).

<u>Tested Sample</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(1)	ND	100

Limit

Not detected for cadmium plating

100 ppm for all plastic materials, paint contain less than 10% zinc, brazing fillers & metal parts of jewelry

1000 ppm for recovered PVC, coatings & paint contain greater than 10% zinc

- Remarks: Above limit was quoted according to annex XVII items 23 of the REACH regulation (EC) No. 1907/2006.
- ppm = Parts per million = mg/kg
ND = Not detected
Detection limit = 5 ppm



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5. Phthalates Content

By solvent extraction and determined by Gas Chromatography-Mass Spectrometer (GC-MS).

I. Entry 51 of Annex XVII to Regulation (EC) No 1907/2006:

<u>Compound</u>	<u>Result (%)</u> (1)	<u>Limit (%)</u>
Diethyl Hexyl Phthalate (DEHP)	ND	0.1
Dibutyl Phthalate (DBP)	ND	0.1
Benzyl Butyl Phthalate (BBP)	ND	0.1
Diisobutyl phthalate (DIBP)	ND	0.1
Sum of DEHP, DBP, BBP & DIBP	ND	0.1

II. Entry 52 of Annex XVII to Regulation (EC) No 1907/2006:

<u>Compound</u>	<u>Result (%)</u> (1)	<u>Limit (%)</u>
Di-(Iso-Nonyl) Phthalate (DINP)	ND	--
Di-(Iso-Decyl) Phthalate (DIDP)	ND	--
Di-(N-Octyl) Phthalate (DNOP)	ND	--
Sum of DINP, DIDP & DNOP	ND	0.1

Remarks: The above limits are quoted from Annex XVII Items 51 and Items 52 of the REACH regulation (EC) No. 1907/2006 and it's amendment (EU) 2018/2005.

According to the Regulation (EU) 2018/2005, the restriction of Diisobutyl phthalate (DIBP) will be effective from 7 July 2020.

% = Percentage based on weight of tested sample

ND = Not detected

Detection limit = 0.005% (for each compound)

Tested Components:

(1) Transparent plastic stick

(2) Silvery metal ring



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Sample photo:



End of Report

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