TEST REPORT

OVERALL RATING	
×	PASS
	FAIL

Test information

Applicant	:	Yiwu Tengyuan Painting Materials Co., Ltd.
Address	:	3103-1/3103-1, Building 3, Zhongfu Plaza, Futian Street, Yiwu City, Jinhua City, Zhejiang Province.
Sample Description	:	Paintbrush .
Labeled Age Grade	:	--
Client Request Age Grade	:	3 years +.
Age grade for testing	:	3 years +.
Country of origin	:	China.
Receiving Date	:	January 14, 2025.
Test period	:	January 14, 2025. ~January 18, 2025.
Test Requested	:	Tests requested in accordance to client requirement.

Signed for and on behalf of
RTS TEST CO., LTD.(Zhejiang)

JIANXIANG CHEN (Toy physical Approved signatory)

BINBIN ZOU (Chemistry Approved Signatory)

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Scan for authenticity

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TEST ITEMS	CONCLUSIONS
EN71-1:2014+A1:2018 - Mechanical and Physical Properties	PASS
Labeling requirement (Washing/Cleaning instruction, CE mark, importer / manufacturer name and address, product identification) according to informative Annex A.26 and A.33 of the European standard on Safety of toys EN 71-1:2014+A1:2018 and the Directive 2009/48/EC – Safety of toys.	PASS
EN71-2:2020 - Flammability	PASS
EN71-3:2019+A1:2021 - Migration of Certain Elements	PASS

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Sample image:

RTS250114J1094TY-A

RTS250114J1094TY-A

RTS250114J1094TY-A

RTS250114J1094TY-A

Test Number	Item/ component description(s)
A	Paintbrush
A1	Black gray bristle

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Test result:

A. European Standard-Safety of Toys: EN71-1:2014+A1:2018 Mechanical and Physical Properties:

Section(s)	Test	Test Results A
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
4.10	Parts moving against each other	N/A
4.10.1	Folding & sliding mechanisms	N/A
4.10.2	Driving mechanisms	N/A
4.10.3	Hinges	N/A
4.10.4	Springs	N/A
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	N/A
4.12	Balloons	N/A
4.13	Cords of toy kites and other flying toys	N/A
4.14	Enclosures	N/A
4.14.1	Toys which a child can enter	N/A
4.14.2	Masks & Helmets	N/A
4.15	Toys intended to bear the mass of a child	N/A
4.15.1	Toys propelled by a child or other means	N/A
4.15.2	Toy bicycles	N/A
4.15.3	Rocking horses & similar toys	N/A
4.15.4	Toys not propelled by a child	N/A
4.15.5	Toy scooters	N/A
4.16	Heavy immobile toys	N/A
4.17	Projectile toys	N/A
4.18	Aquatic toys and inflatable toys	N/A
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	N/A
4.20	Acoustics	N/A
4.21	Toys containing a non-electrical heat source	N/A
4.22	Small balls	N/A

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Section(s)	Test	Test Results A
4.23	Magnets	N/A
4.24	Yo-Yo balls	N/A
4.25	Toys attached to food	N/A
4.26	Toy disguise costumes	N/A
4.27	Flying toys	N/A
5	Toys intended for children under 36 months	
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
5.5	Liquid-filled toys	N/A
5.6	Speed limitation of electrically driven toys	N/A
5.7	Glass and porcelain	N/A
5.8	Shape and size of certain toys	N/A
5.9	Toys comprising monofilament fibres	N/A
5.10	Small balls	N/A
5.11	Play figures	N/A
5.12	Hemispheric-shaped 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	Warnings, 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	Projectile toys	N/A
7.8	Imitation protective masks and helmets	N/A
7.9	Toy kites	N/A
7.10	Roller skates, inline skates and skateboards and certain other ride-on toys	N/A
7.11	Toys intended to be attached to 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

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Section(s)	Test	Test Results 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 36 months	N/A
7.23	Toys intended to be attached to a cradle, cot or perambulator	N/A
7.24	Sledges with cords for pulling	N/A
7.25	Flying toys	N/A
7.26	Improvised projectiles	N/A

Remark: N/A= Not Applicable

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Below are additional information according to the Toy Safety Directive 2009/48/EC requirement. These information also appears as a note within the EN71 but are not standard requirements and not accredited:

Marking

Labeling requirement (Washing/Cleaning instruction, CE mark, importer / manufacturer name and address, product identification) according to informative Annex A.26 and A.33 of the European standard on Safety of toys EN 71-1:2014+A1:2018 and the Directive 2009/48/EC – Safety of toys.

After checking, it was found that

	Observation Result	Location
Washing/Cleaning instruction	Not Applicable	--
CE mark	Present	Packaging
Importer's Name & Address	Present	Packaging
Manufacturer's Name & Address	Present	Packaging
Product ID	Present	Packaging

Note:

1. According to Directive 2009/48/EC, a toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned. According to the GUIDANCE DOCUMENT ON THE APPLICATION OF DIRECTIVE 2009/48/EC ON THE SAFETY OF TOYS, manufacturer shall not label "surface washing" on textile toys which, under the TSD, need to be soak washable."
2. CE marking should be visible from outside the packaging and its height must be at least 5mm.
3. 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.
4. Manufacturers must 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.
5. Only labeling review is conducted for Washing/Cleaning label, which is not include safety verification after washing as per client's request.

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B. European Standard-Safety of Toys: EN71-2:2020 - Flammability :

Test Item(s)	Observation	Test Results A
4.1 General	No visual signs of Cellulose Nitrate and highly flammable solids.	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	/	N/A

Remark: N/A= Not Applicable

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C. European Standard-Safety of Toys: EN71-3:2019+A1:2021 Migration of Certain Elements: (Unit: mg/kg)

Elements	MDL	Test Results A1	Limit Value Category III
Soluble Aluminum(Al)	50	N.D.	28130
Soluble Antimony (Sb)	10	N.D.	560
Soluble Arsenic(As)	10	N.D.	47
Soluble Barium (Ba)	50	N.D.	18750
Soluble Boron (B)	50	N.D.	15000
Soluble Cadmium(Cd)	5	N.D.	17
Soluble trivalent chromium(Cr+3)	5	N.D.	460
Soluble Chromium VI (Cr+6)*	0.01	N.D.	0.053
Soluble Cobalt(Co)	10	N.D.	130
Soluble Copper(Cu)	50	N.D.	7700
Soluble Lead(Pb)	5	N.D.	23
Soluble Manganese(Mn)	50	N.D.	15000
Soluble Mercury(Hg)	10	N.D.	94
Soluble Nickel(Ni)	10	N.D.	930
Soluble Selenium(Se)	10	N.D.	460
Soluble Strontium(Sr)	50	N.D.	56000
Soluble Tin(Sn)	4.9	N.D.	180000
Soluble Organic tin**	4.9	N.D.	12
Soluble Zinc(Zn)	50	N.D.	46000

Explain:

1)"--"= Not clearly defined

2)N.D. = not detected, less than MDL(Method Detection Limit).

3) ▲ = sample was tested in mixture.

4) If the chromium content of the tested sample does not exceed the limits of chromium III and/or chromium VI, it is deemed to comply on the respective migration requirements of chromium III and/or chromium VI under 2009/48/EC. Otherwise, the compliance on the migration requirements of the individual chromium III and/or chromium VI are confirmed by ion speciation techniques

*: The chromium VI content is determined by LC-ICP-MS or High resolution UV-VIS spectroscopy. (If confirmation is done only)

5) If the Organic Tin content of the tested sample projected by the tin content does not exceed the limit of Organotin, it is deemed to comply on the respective migration requirement of Organic Tin under 2009/48/EC and marked with "--". Otherwise, the compliance on the migration requirement of Organic Tin is confirmed by GCMS analysis.

**: The Organic Tin content is determined by GC-MS. (If confirmation is done only).

Test Method: In accordance with EN71-3:2019+A1:2021:

1. To determine the soluble heavy metals content, Analysis was preformed by LC-ICP-MS.
2. To determine the Chromium VI (Cr+6) content, Analysis was preformed by LC-ICP-MS.
3. To determine the organic tin content, Analysis was preformed by GC-MS.

---------- End of Report ----------

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