



Test Report

No.: T52310260043TY

Date: MAR 03, 2023

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HAPE INTERNATIONAL (NINGBO) LTD
HAPPY ARTS&CRAFTS(NINGBO)CO.,LTD
9-27 NANHAI ROAD, DAGANG INDUSTRIAL CITY,
BEILUN,NINGBO,CHINA PC:315800

The results of this report are extracted from the test report number T52210271878TY where the sample(s) / material(s) of sample is(are) claimed to be identical.

The following samples were submitted and identified by/on behalf of the client as:

SOLID POSTER PAINT

Item No. : 843532
Labeled Age Grading : 3+
Requested Age Grading : 3+

SGS Ref. No. : SHHL2302007499TY
Age Group Assessed by SGS As Per Age : OVER 3 YEARS
Guideline
Age Group Applied in Testing : OVER 3 YEARS
Sample Receiving Date : MAY 26, 2022
Further Information Date : MAR 02, 2023
Testing Period : MAY 26, 2022 TO JUN 19, 2022



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SGS-CSTC Shenzhen Technical Services Co., Ltd.
Shenzhen Branch Testing Center Hardlines

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Test Requested		Conclusion
1.	For compliance with the European standard on Safety of toys:-	--
	EN 71-1:2014+A1:2018 – Safety of toys – Part 1: Mechanical and Physical Properties	PASS
	EN 71-2: 2020 – Safety of toys – Part 2: Flammability	PASS
	Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, 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	SEE RESULT
	Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725, Commission Directive (EU) 2019/1922 – EN 71-3:2019 + A1:2021 – Migration of certain elements in the specified specimen(s) as listed	PASS
2.	European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Lead and lead compounds in the specified specimen(s) as listed	PASS

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

Signed for and on behalf of
 SGS-CSTC Standards Technical
 Services Co., Ltd. Shenzhen Branch Testing Center




Huang Yao, Lucy
 Section Head

Qu Ping, Kiky
 Dept. Manager



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Results:

EUROPEAN STANDARD ON SAFETY OF TOYS

EN 71-1:2014 + A1:2018 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

AS SPECIFIED IN EN 71-1:2014 + A1:2018 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

Clauses relevant to the item:

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4	General requirements	
4.1	Material cleanliness	<u>Pass</u>
4.7	Edges	<u>Pass</u>
4.8	Points and metallic wires	<u>Pass</u>
7	Warnings, markings and instructions for use	
7.1	General Requirements Please note that for assessing the visibility and legibility of warnings CEN has introduced good practice in the informative Annex 33 by addressing the following aspects: a) Emphasising the warning; b) Contrast, background and colours; c) Reflecting surfaces and obscuring material; d) Font type; e) Font size; f) Logical direction of text. For more details see EN 71-1	<u>Pass</u>
7.2	Toys not intended for children under 36 months (Remark: The toy contains small parts. It is acceptable because appropriate warning is found on packaging.)	<u>Pass</u> <u>See Remark</u>

Only English warnings were checked for the clause 7. According to 2009/48/EC, warnings and safety instructions shall be written in a language or languages easily understood by consumers.



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EN 71-2: 2020 – SAFETY OF TOYS – PART 2: FLAMMABILITY

AS SPECIFIED IN EN 71-2: 2020 – SAFETY OF TOYS – PART 2: FLAMMABILITY

Clauses relevant to the item:

Clause	Description	Result
4.1	General requirements	Pass

Type of gas: Butane gas used in the test burner

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

Summary table:

	Observation Result	Location
Washing/Cleaning instruction	Not applicable	--
CE mark	Present	Packaging
Importer's Name & Address	Absent. See note 3	--
Manufacturer's Name & Address	Present	Toy & 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.



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Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725, Commission Directive (EU) 2019/1922 – EN 71-3:2019+A1:2021 – Migration of certain elements

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

Method: With reference to EN 71-3:2019+A1:2021. Analysis of general elements was performed by ICP-MS / Chromium (III) was obtained by calculation, chromium (VI) was analyzed by LC-ICP-MS or IC-UV-Vis / organic tin was analyzed by GC-MS.

Test Item(s)	Result(s)			MDL	Permissible Limit
	1	2	3		
Specimen No.	1	2	3	--	--
Mass of trace amount (mg)	/	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	63	ND	50	2250
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	1	45
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	0.5	3.8
Soluble Barium (Ba) (mg/kg)	64	ND	ND	50	1500
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	1200
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	0.1	1.3
Soluble Chromium ⁺ (Cr) (mg/kg)	0.050	0.258	0.032	0.015	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	ND	1.0	37.5
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.010	0.02
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	0.5	10.5
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	622.5
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	0.5	2.0
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	1200
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	0.5	7.5
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	75
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	5	37.5
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	4500
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	0.15	15000
Soluble Organic Tin	ND	ND	ND	--	0.9
Soluble Zinc (Zn) (mg/kg)	ND	ND	ND	50	3750



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Test Item(s)	Result(s)			MDL	Permissible Limit
	4	5	6		
Specimen No.				--	--
Mass of trace amount (mg)	/	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	394	ND	ND	50	2250
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	1	45
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	0.5	3.8
Soluble Barium (Ba) (mg/kg)	ND	70	ND	50	1500
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	1200
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	0.1	1.3
Soluble Chromium+ (Cr) (mg/kg)	ND	0.053	0.095	0.015	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	ND	1.0	37.5
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.010	0.02
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	0.5	10.5
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	622.5
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	0.5	2.0
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	1200
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	0.5	7.5
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	75
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	5	37.5
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	4500
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	0.15	15000
Soluble Organic Tin -- (mg/kg)	ND	ND	ND	--	0.9
Soluble Zinc (Zn) (mg/kg)	ND	ND	ND	50	3750



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Test Item(s)	Result(s)			MDL	Permissible Limit
Specimen No.	7	8	9	--	--
Mass of trace amount (mg)	/	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	70	50	2250
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	1	45
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	0.5	3.8
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	50	1500
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	1200
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	0.1	1.3
Soluble Chromium ⁺ (Cr) (mg/kg)	0.026	0.060	0.076	0.015	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	ND	1.0	37.5
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.010	0.02
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	0.5	10.5
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	622.5
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	0.5	2.0
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	1200
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	0.5	7.5
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	75
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	5	37.5
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	4500
Soluble Tin (Sn) (mg/kg)	0.23	ND	ND	0.15	15000
Soluble Organic Tin -- (mg/kg)	ND	ND	ND	--	0.9
Soluble Zinc (Zn) (mg/kg)	ND	ND	ND	50	3750



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Test Item(s)	Result(s)			MDL	Permissible Limit
	10	11	12		
Specimen No.				--	--
Mass of trace amount (mg)	/	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	310	ND	50	2250
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	1	45
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	0.5	3.8
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	50	1500
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	1200
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	0.1	1.3
Soluble Chromium ⁺ (Cr) (mg/kg)	0.114	0.029	0.088	0.015	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	ND	1.0	37.5
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.010	0.02
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	0.5	10.5
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	622.5
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	0.5	2.0
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	1200
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	0.5	7.5
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	75
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	5	37.5
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	4500
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	0.15	15000
Soluble Organic Tin -- (mg/kg)	ND	ND	ND	--	0.9
Soluble Zinc (Zn) (mg/kg)	ND	76	ND	50	3750



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Specimen Description:

1. Red poster paint
2. Orange poster paint
3. Yellow poster paint
4. Pink poster paint
5. Light green poster paint
6. Dark green poster paint
7. Light blue poster paint
8. Dark blue poster paint
9. Brown poster paint
10. Purple poster paint
11. White poster paint
12. Black poster paint

- Note:
- mg/kg = milligram per kilogram
 - mg = milligram
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - 1% = 10000 mg/kg = 10000 ppm
 - + Soluble Chromium is not restricted by EN 71-3:2019+A1:2021, results shown only for reference
 - De-waxing was applied (excluding analysis of organic tin) on test specimen No.1 - No.12



European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Lead and lead compounds

For consumer products (except jewelry) – Lead content

Method: With reference to CPSC-CH-E1003-09.1 - Standard Operating Procedure for Determining Heavy Metal in Paint and Other Similar Surface Coatings

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.3 - Standard Operation Procedure for Determining Heavy Metal in Non-Metal Children Product

Method (metal materials): With reference to CPSC-CH-E1001-08.3 - Standard Operating Procedure for Determining Heavy Metal in Children’s Metal Products (Including Children’s Metal Jewelry)

Test Item(s)			Lead (Pb)
MDL (mg/kg)			10
Permissible Limit (mg/kg)			500
Specimen Description	Alias No.	Tracing No.	Result(s) (mg/kg)
1. Red poster paint + Orange poster paint + Yellow poster paint	4	1	ND
2. Pink poster paint + Light green poster paint + Dark green poster paint	4	2	ND
3. Light blue poster paint + Dark blue poster paint + Brown poster paint	4	3	ND
4. Purple poster paint + White poster paint + Black poster paint	4	4	ND

- Note:
- mg/kg = milligram per kilogram
 - MDL = Method Detection Limit
 - ND = Not Detected (lower than MDL)
 - 1% = 10000 mg/kg = 10000 ppm

N.B. : - Only applicable clauses were shown.



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2. The statement of conformity has considered the decision rule based on the Guarded acceptance (8.3.2 of ISO/IEC GUIDE 98-4:2012). When the measured value falls within the guard band, only the test data and measurement uncertainty will be reported. The guard band is equal to the expanded measurement uncertainty with a 95% coverage probability($k=2$), $w = U_{95}$. The Probability of False Accept and the Probability of False Reject of the decision rule are 2.5%.

For Upper Tolerance Limit (T_U):

Pass - when the measurement result is below $T_U - U_{95}$

Fail - when the measurement result is above $T_U + U_{95}$

Inconclusive - when the measurement result is falling in guard band $[T_U - U_{95}, T_U + U_{95}]$

For Lower Tolerance Limit (T_L):

Pass - when the measurement result is above $T_L + U_{95}$

Fail - when the measurement result is below $T_L - U_{95}$

Inconclusive - when the measurement result is falling in guard band $[T_L - U_{95}, T_L + U_{95}]$

Sample Photo:



SGS authenticate the photo on original report only

*** End of Report ***

