

Test Report

No.: 70.452.22.11591.05R1
Dated: 2023-01-13



Greater China

Applicant: HAPE INTERNATIONAL (NINGBO) LTD.
HAPPY ARTS&CRAFTS(NINGBO)CO.,LTD

Address: 9-27 NANHAI ROAD, DAGANG INDUSTRIAL CITY, BEILUN,NINGBO,CHINA
PC:315800

Product Name:

1. Poster Paint set 500ml
843822
2. Poster Paint Red 500ml
843823
3. Poster Paint Orange 500ml
843824
4. Poster Paint Yellow 500ml
843825
5. Poster Paint Green 500ml
843826
6. .Poster Paint Blue 500ml
843827
7. Poster Paint Black 500ml
843828
8. Poster Paint Purple 500ml
843829
9. Poster Paint Pink 500ml
843830
10. Poster Paint Brown 500ml
843831
11. Poster Paint White 500ml
843832
12. Poster Paint Red 2L
843833
13. Poster Paint Orange 2L
843834
14. Poster Paint Yellow 2L
843835
15. Poster Paint Green 2L
843836
16. Poster Paint Blue 2L
843837
17. Poster Paint Black 2L
843838
18. Poster Paint Purple 2L
843839
19. Poster Paint Pink 2L
843840
20. Poster Paint Brown 2L
843841
21. Poster Paint White 2L
843842

Test Report **No.: 70.452.22.11591.05R1**
Dated: 2023-01-13

Receipt Date of Sample: 2022-06-20
Date of Testing: 2022-06-20 to 2022-07-04
Sample Submitted: The sample(s) was (were) submitted by applicant and identified.
Test Result: Refer to the data listed in following pages

Remark: This report supersedes the previous report 70.452.22.11591.05

Test Item	Conclusion
1. EN 71-1:2014+A1:2018 Mechanical and Physical Properties	Pass
2. EN 71-2:2020 Flammability	Pass
3. EN 71-3:2019+A1:2021- Migration of certain elements	Pass
4. Total Lead Content Requirement in Annex XVII, Item 63 of the REACH Regulation(EC) No 1907/2006 with its Amendments	Pass
5. Phthalates Content in Annex XVII Items 51 and 52 of the REACH Regulation (EC) No 1907/2006 with its Amendments	Pass

Remarks: 1. MDL = Method Detection Limit
2. ND = Not Detected (<MDL)
3. <= Less than
4. 1 mg/kg = 1 ppm = 0.0001%

TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch
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Prepared by:


Jenny Yao
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Authorized by:





Sawyer Tang
Technical Manager


Note:

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- (2) The results relate only to the Items tested.
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- (4) **Disclaimer Measurement Uncertainty:**
Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.



Description of the Tested Subject


Sample	Description	Photo
A		
B		
C	Poster Paint 2L	
D		
E		

Sample	Description	Photo
F		
G		
H	Poster Paint 2L	
I		
J		

Sample	Description	Photo
K		
L		
M	Poster Paint 500ml	
N		
O		

Sample	Description	Photo
P		
Q		
R	Poster Paint 500ml	
S		
T		



Sample	Description	Photo
001	Poster Paint 500ml bottle Poster Paint 2L bottle	

T. No	Sample	Description
T1	001	Poster Paint 500ml bottle Poster Paint 2L bottle
T2	002	Blue paint (liquid)
T3	003	White paint (liquid)
T4	004	Red paint (liquid)
T5	005	Green paint (liquid)
T6	006	Yellow paint (liquid)
T7	007	Purple paint (liquid)
T8	008	Black paint (liquid)
T9	009	Orange paint (liquid)
T10	010	Pink paint (liquid)
T11	011	Brown paint (liquid)



Test Results

1. EN 71-1:2014+A1:2018 Mechanical and Physical Properties

Sample	001
Labelled age range	Not Stated
Requested age range	3+
Age range for testing as per client's request	Over 3 years

Clause	Requirement	Evaluation
4	General Requirements	--
4.1	Material cleanliness	P
4.7	Edges	P
4.8	Points and metallic wires	P
7	Warnings markings and instructions for use	#1

Abbreviation:

P = Pass, F = Fail, NA = Not Applicable, NR = Not Requested.

Note:

Only applicable clauses were shown. The submitted samples were not toy and were not subjected to the scope of EN 71. However, as requested by the applicant, the submitted samples were assessed under the requirement of EN 71, and the result met the requirement of the standard.

Remark:

#1= This product was tested as non-toy product, thus the warning and other labeling requirements specified in clause 7 did not apply.

2. EN 71-2:2020 Flammability

Sample	001	
Clause	Requirement	Evaluation
4.1	General Requirement	P

Abbreviation:

P = Pass, F = Fail, NA = Not Applicable, NR = Not Requested.

Note:

Only applicable clauses were shown.



3. EN 71-3:2019+A1:2021- Migration of certain elements

Test with reference to EN 71-3:2019+A1:2021, determination by ICP-MS.

Test Item	Limit in liquid or sticky toy materials [mg/kg]	MDL [mg/kg]	Result(s) [mg/kg]					
			002	003	004	005	006	007
Soluble Aluminum	1406	5.00	<5.00	156	9.45	14.0	<5.00	8.19
Soluble Antimony	11.3	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Arsenic	0.9	0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Soluble Barium	375	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Boron	300	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Cadmium	0.3	0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Soluble Chromium III	9.4	0.005	0.265	0.111	0.055	0.060	0.060	0.055
Soluble Chromium VI	0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Soluble Cobalt	2.6	0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Soluble Copper	156	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Lead	0.5	0.25	<0.25	0.332	<0.25	<0.25	<0.25	<0.25
Soluble Manganese	300	5.00	6.45	6.53	<5.00	6.08	5.35	<5.00
Soluble Mercury	1.9	0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Soluble Nickel	18.8	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Selenium	9.4	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Soluble Strontium	1125	5.00	15.3	<5.00	8.20	15.1	13.3	10.8
Soluble Tin	3750	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Organic Tin	0.2	0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
Soluble Zinc	938	5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00
Conclusion			Pass	Pass	Pass	Pass	Pass	Pass



Test Item	Limit in liquid or sticky toy materials [mg/kg]	MDL [mg/kg]	Result(s) [mg/kg]			
			008	009	010	011
Soluble Aluminum	1406	5.00	14.0	<5.00	<5.00	9.73
Soluble Antimony	11.3	5.00	<5.00	<5.00	<5.00	<5.00
Soluble Arsenic	0.9	0.25	<0.25	<0.25	<0.25	<0.25
Soluble Barium	375	5.00	<5.00	<5.00	<5.00	<5.00
Soluble Boron	300	5.00	<5.00	<5.00	<5.00	<5.00
Soluble Cadmium	0.3	0.25	<0.25	<0.25	<0.25	<0.25
Soluble Chromium III	9.4	0.005	0.090	0.075	0.035	0.025
Soluble Chromium VI	0.005	0.005	<0.005	<0.005	<0.005	<0.005
Soluble Cobalt	2.6	0.25	<0.25	<0.25	<0.25	<0.25
Soluble Copper	156	5.00	<5.00	<5.00	<5.00	<5.00
Soluble Lead	0.5	0.25	0.271	<0.25	<0.25	<0.25
Soluble Manganese	300	5.00	18.6	<5.00	<5.00	6.17
Soluble Mercury	1.9	0.25	<0.25	<0.25	<0.25	<0.25
Soluble Nickel	18.8	5.00	<5.00	<5.00	<5.00	<5.00
Soluble Selenium	9.4	5.00	<5.00	<5.00	<5.00	<5.00
Soluble Strontium	1125	5.00	13.8	6.53	11.7	12.7
Soluble Tin	3750	0.05	<0.05	<0.05	<0.05	<0.05
Organic Tin	0.2	0.13	<0.13	<0.13	<0.13	<0.13
Soluble Zinc	938	5.00	<5.00	<5.00	<5.00	<5.00
Conclusion			Pass	Pass	Pass	Pass

4. Total Lead Content Requirement in Annex XVII, Item 63 of the REACH Regulation(EC) No 1907/2006 with its Amendments

Test with reference to in house method, determination by ICP-OES/ICP-MS.

Sample	Unit	MDL	Limit	Result(s)	Conclusion
002+003+004	mg/kg	10	500	<10.0	Pass
005+006+007	mg/kg	10	500	<10.0	Pass
008+009	mg/kg	10	500	<10.0	Pass
010+011	mg/kg	10	500	<10.0	Pass

5. Phthalates Content in Annex XVII Items 51 and 52 of the REACH Regulation (EC) No 1907/2006 with its Amendments

Test with reference to in house method, solvent extraction and determination by GC-MS.

Compound	CAS No.	Unit	MDL	Limit	Result(s)	
					002+003+004	005+006+007
Bis (2-ethylhexyl) phthalate, DEHP	117-81-7	%	0.005	-	<0.005	<0.005
Dibutyl phthalate, DBP	84-74-2	%	0.005	-	<0.005	<0.005
Benzyl butyl phthalate, BBP	85-68-7	%	0.005	-	<0.005	<0.005
Diisobutylphthalate, DIBP	84-69-5	%	0.005	-	<0.005	<0.005
Sum of DBP, BBP, DEHP, DIBP	-	%	0.005	0.1	<0.005	<0.005
Di-isononyl phthalate, DINP	28553-12-0 , 68515-48-0	%	0.005	-	<0.005	<0.005
Di-isodecyl phthalate, DIDP	26761-40-0 , 68515-49-1	%	0.005	-	<0.005	<0.005
Di-n-octyl phthalate, DNOP	117-84-0	%	0.005	-	<0.005	<0.005
Sum of DINP, DIDP, DNOP	-	%	0.005	0.1	<0.005	<0.005
Conclusion					Pass	Pass

Compound	CAS No.	Unit	MDL	Limit	Result(s)	
					008+009	010+011
Bis (2-ethylhexyl) phthalate, DEHP	117-81-7	%	0.005	-	<0.005	<0.005
Dibutyl phthalate, DBP	84-74-2	%	0.005	-	<0.005	<0.005
Benzyl butyl phthalate, BBP	85-68-7	%	0.005	-	<0.005	<0.005
Diisobutylphthalate, DIBP	84-69-5	%	0.005	-	<0.005	<0.005
Sum of DBP, BBP, DEHP, DIBP	-	%	0.005	0.1	<0.005	<0.005
Di-isononyl phthalate, DINP	28553-12-0 , 68515-48-0	%	0.005	-	<0.005	<0.005
Di-isodecyl phthalate, DIDP	26761-40-0 , 68515-49-1	%	0.005	-	<0.005	<0.005
Di-n-octyl phthalate, DNOP	117-84-0	%	0.005	-	<0.005	<0.005
Sum of DINP, DIDP, DNOP	-	%	0.005	0.1	<0.005	<0.005
Conclusion					Pass	Pass

- End of Test Report -