

Report No.: 304107354a 001 Page 1 of 18

Client: HAPE INTERNATIONAL (NINGBO) LTD.

Contact Information: HAPPY ARTS&CRAFTS(NINGBO)CO.,LTD
9-27 NANHAI ROAD, DAGANG INDUSTRIAL CITY,
BEILUN,NINGBO,CHINA

Test item(s): Non toy: M001 & Toy: M002

**Identification/
Model No(s):** Refer to detail list

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2024-10-18

Testing Period: 2024-10-18 to 2024-11-28

Place of testing: Chemical laboratory Suzhou, Toys laboratory Suzhou

Test Specification:

Please refer to "Test Result Summary List" on page 2 for details

Other information:

Packaging provided: Artwork
The provided age grade of the item: Over 36 months.
The appropriate age grade of the item: Over 36 months.
The item was tested over 36 months.

For and on behalf of
TÜV Rheinland (Suzhou) Co., Ltd.



2024-12-09

Gary Zhu / Section Manager

Date

Name/Position

*Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.*

Test Result Summary :

Test Specification:

Test result:

1 EN 71-1:2014+A1:2018 Mechanical and physical properties (M001: By client's request, this product is tested as a non-toy. The labeling requirements of EN71 and 2009/48/EC do not apply.)	PASS
2 2009/48/EC CE marking	PASS
3 2009/48/EC Labeling Requirement (Importer/ Manufacturer Mark, Product Identification, Washing/ Cleaning instruction)	Please refer to result page
4 - Physical and Mechanical Test - General Product Labeling - Flammability Test The above test(s) are tested per requested by applicant for "The General Product Safety Regulation (GPSR): (EU) 2023/988"	PASS
5 EN 71-2:2020 Flammability	PASS
6 EN 71-3:2019+A1:2021 Migration of 19 Elements	PASS
7 Cadmium content according to Annex XVII Entry 23 of Regulation (EC) No 1907/2006 and its amendments	PASS
8 Polycyclic aromatic hydrocarbons (PAHs) - REACH regulation (EC) No. 1907/2006 with Amendment No. 552/2009- Annex XVII Item No. 50 and (EU) No.1272/2013	PASS
9 Pentachlorophenol (PCP), Tetrachlorophenol (TeCP) & Trichlorophenol (TriCP)	PASS
10 REACH regulation (EC) No. 1907/2006 and its amendment regulations on Annex XVII entry 51 and entry 52 : Phthalates	PASS



Test Report No.: 304107354a 001

Page 3 of 18

Item No.	Description	年龄
B68517 68517	Brush Holder	3+
B50700 50700 (847756)	Wooden Paper Press Wooden Flower Press	3+



Test Report No.: 304107354a 001 Page 4 of 18

Material List:

Item: Refer to detail list

Material No.	Material	Color	Location
M001	Whole Product	multicolor	68517
M002	Whole Product	multicolor	50700
M003	Coating	transparent	on wood, 68517&50700
M004	Plastic	transparent	tray, 68517
M005	Wood	nature	solid wood, 68517&50700
M006	Wood	nature	plywood, 50700
M007	Paper	brown	paper board, 50700
M009	Coating	green	on wood, 505700



Test Report No.: 304107354a 001

Page 5 of 18

1. EN 71-1:2014+A1:2018 Mechanical and physical properties

	Test No:	T001
	Material No:	M001
4. General requirements		
4.1 Material cleanliness		PASS
4.7 Edges		PASS
4.8 Points and metallic wires		PASS
7. Warnings, markings and instructions for use		
7.1 General		NC*1
7.2 Toys not intended for children under 36 months		NC*1
7.3 Latex balloons		NC*1
7.4 Aquatic toys		NC*1
7.5 Functional toys		NC*1
7.6 Hazardous sharp functional edges and points		NC*1
7.7 Projectile toys		NC*1
7.8 Imitation protective masks and helmets		NC*1
7.9 Toy kites		NC*1
7.10 Roller skates, inline skates, skateboards and certain other ride-on toys		NC*1
7.11 Toys otherwise intended to be strung across a cradle, cot, or perambulator		NC*1
7.12 Liquid-filled teethers		NC*1
7.13 Percussion caps specifically designed for use in toys		NC*1
7.14 Acoustics		NC*1
7.15 Toy bicycles		NC*1
7.16 Toys intended to bear the mass of a child		NC*1
7.17 Toys comprising monofilament fibres		NC*1
7.18 Toy scooters		NC*1
7.19 Rocking horses and similar toys		NC*1
7.20 Magnetic/ electrical experimental sets		NC*1
7.21 Toys with electrical cables exceeding 300 mm in length		NC*1
7.22 Toys with cords or chains intended for children of 18 months and over but under 36 months		NC*1
7.23 Toys intended to be attached to a cradle, cot or perambulator		NC*1
7.24 Sledges with cords for pulling		NC*1
7.25 Flying toys		NC*1
7.26 Improvised projectiles		NC*1
	Test No:	T002
	Material No:	M002
4. General requirements		
4.1 Material cleanliness		PASS
4.7 Edges		PASS
4.8 Points and metallic wires		PASS
4.9 Protruding parts		PASS
7. Warnings, markings and instructions for use		
7.1 General		PASS
7.2 Toys not intended for children under 36 months		PASS

Test Report No.: 304107354a 001

Page 6 of 18

The clause and/or sub-clause would be indicated only in the test report whichever applicable. The comprehensive result report is available upon request.

Remark:

- *1 By client's request, this product is tested as a non-toy. The labeling requirements of EN71 and 2009/48/EC do not apply.



Test Report No.: 304107354a 001	Page 7 of 18
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2. 2009/48/EC CE Marking

Test result:

	Test No:	T001
	Material No:	M002
CE-marking		PASS



Test Report No.: 304107354a 001 Page 8 of 18

3. 2009/48/EC Labeling Requirement (Importer/ Manufacturer Mark, Product Identification, Washing/ Cleaning instruction)

Test result:

Test No:	T001
Material No:	M002
Importer/ Manufacturer Mark (European Company name and address)+	Present on package and product
Product Identification - type, batch, serial or model number+	Present on package and product

Remark:

+ These labeling shall be indicated on the toy, or where that is not possible, on its packaging or in a documents accompanying the toys.

The correct adherence to all requirements according to directive 2009/48/EC in regards to the marking (name or trademark and contact address of the manufacturer respectively the marking for identification [type, batch, model or serial no.])of the toy can only be confirmed by the manufacturer, his delegate or the person who brings it onto the market. The marked article were assessed, however, they can not be evaluated in the frame of this test.



4.GPSR - General Product Safety Regulation

Result:

1. Physical and Mechanical Test

Test No.	Material No.	Description	Test Method	Result
T001	M001	Requirement for sharp points	Reference to EN71 Part 1	PASS
		Requirement for sharp edges	Reference to EN71 Part 1	PASS
		Requirement for small parts	Reference to EN71 Part 1	PASS

2. General Product Labeling

Test No.	Material No.	Description	Result
T001	M001	Address of manufacturer or responsible trading company	PASS
		Definite identification of the article	PASS

These labeling shall be indicated on the products, or where that is not possible, on its packaging or in documents accompanying the products.



5. EN 71-2:2020 Flammability

Test result:

	Test No:	T001
	Material No.	M001
4.1 General requirements		PASS
	Test No:	T002
	Material No.	M002
4.1 General requirements		PASS

The clause and/or sub-clause would be indicated only in the test report whichever applicable. The comprehensive result report is available upon request.



Test Report No.: 304107354a 001 Page 11 of 18

6. EN 71-3:2019+A1:2021 Migration of 19 Elements

Test Method: with reference to EN 71-3:2019+A1:2021, analyzed by ICP-OES / ICP-MS / LC-ICP-MS/IC-UV/GC-MS.

3) For scraped-off toy materials:

Test Result:

				Test No.	T001	T002	T003
				Material No.	M003	M004	M005
Test Parameter	Unit	RL	Regulatory Requirement	Result	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	14.8	< RL	< RL	< RL
Antimony (Sb)	mg/kg	5	560	< RL	< RL	< RL	< RL
Arsenic (As)	mg/kg	5	47	< RL	< RL	< RL	< RL
Barium (Ba)	mg/kg	2.5	18,750	2.8	< RL	< RL	15.7
Boron (B)	mg/kg	10	15,000	< RL	< RL	< RL	< RL
Cadmium (Cd)	mg/kg	1	17	< RL	< RL	< RL	< RL
Chromium III (Cr(III))	mg/kg	10	460	< RL	< RL	< RL	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	< RL	< RL	< RL	< RL
Cobalt (Co)	mg/kg	2.5	130	< RL	< RL	< RL	< RL
Copper (Cu)	mg/kg	2.5	7,700	< RL	< RL	< RL	< RL
Lead (Pb)	mg/kg	2.5	23	< RL	< RL	< RL	< RL
Manganese (Mn)	mg/kg	2.5	15,000	< RL	< RL	< RL	34.2
Mercury (Hg)	mg/kg	2.5	94	< RL	< RL	< RL	< RL
Nickel (Ni)	mg/kg	2.5	930	< RL	< RL	< RL	< RL
Selenium (Se)	mg/kg	10	460	< RL	< RL	< RL	< RL
Strontium (Sr)	mg/kg	2.5	56,000	< RL	< RL	< RL	< RL
Tin (Sn)	mg/kg	1.0	180,000	< RL	< RL	< RL	< RL
Organic Tin [^]	mg/kg	0.2	12	-	-	-	-
Zinc (Zn)	mg/kg	10	46,000	698	< RL	< RL	14.2
Mass of trace amount	mg	--	--	-	-	-	-

Abbreviation: < = less than
 RL = Reporting Limit
 mg/kg denotes milligram per kilogram
 mg denotes milligram
 ^ denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.6 mg/kg) or the components were confirmed to be pure metal



Test Report No.: 304107354a 001 Page 12 of 18

Test Result:

Test Parameter	Unit	RL	Test No.	T004	T005	T006
			Material No.	M006	M007	M009
			Regulatory Requirement	Result	Result	Result
Aluminium (Al)	mg/kg	10	28,130	< RL	1540	229
Antimony (Sb)	mg/kg	5	560	< RL	< RL	< RL
Arsenic (As)	mg/kg	5	47	< RL	< RL	< RL
Barium (Ba)	mg/kg	2.5	18,750	< RL	18.2	< RL
Boron (B)	mg/kg	10	15,000	< RL	31.7	< RL
Cadmium (Cd)	mg/kg	1	17	< RL	< RL	< RL
Chromium III (Cr(III))	mg/kg	10	460	< RL	< RL	< RL
Chromium VI (Cr(VI))	mg/kg	0.045	0.053	< RL	< RL	< RL
Cobalt (Co)	mg/kg	2.5	130	< RL	< RL	< RL
Copper (Cu)	mg/kg	2.5	7,700	< RL	6.9	107
Lead (Pb)	mg/kg	2.5	23	< RL	< RL	< RL
Manganese (Mn)	mg/kg	2.5	15,000	6.0	27.2	< RL
Mercury (Hg)	mg/kg	2.5	94	< RL	< RL	< RL
Nickel (Ni)	mg/kg	2.5	930	< RL	< RL	< RL
Selenium (Se)	mg/kg	10	460	< RL	< RL	< RL
Strontium (Sr)	mg/kg	2.5	56,000	9.2	34.1	4.8
Tin (Sn)	mg/kg	1.0	180,000	< RL	< RL	< RL
Organic Tin [^]	mg/kg	0.2	12	-	-	-
Zinc (Zn)	mg/kg	10	46,000	< RL	34.8	215
Mass of trace amount	mg	--	--	-	-	-

Abbreviation:

- < = less than
- RL = Reporting Limit
- mg/kg denotes milligram per kilogram
- mg denotes milligram
- [^] denotes Organic tin are not necessary to be determined when the Tin concentration is less than calculated limit (3.6 mg/kg) or the components were confirmed to be pure metal

Remark:

- * Categorization of toys materials is based on the material texture. According to point H.11 of Annex H to EN 71-3:2019+A1:2021 / BS EN 71-3:2019+A1:2021 , cosmetic materials with dry, brittle, powder like or pliable texture such as lipstick and eyeshadow are considered as category I materials. However, as a reminder, it cannot preclude the possibility that some national enforcement authorities might take a more stringent action to treat cosmetic materials as sticky and evaluate according to category II requirement as they are intended to be applied on skin and retained for long time.
- # According to EN 71-3:2019+A1:2021, if the weight of a test portion of toy material is less than 10mg, the analysis of migration of certain elements would not be required. If the weight of a test portion of toy material is between 10mg and 100mg, the analytical results would be calculated as though 100mg of the test portion had been used.



Test Report No.: 304107354a 001 Page 13 of 18

7.Total Cadmium Content

Test Method: EN 1122:2001 (method B)

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Test Result
T001	M003	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T002	M004	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL
T003	M009	Trial 1	mg/kg	10	< RL
		Trial 2	mg/kg	10	< RL
		Average	mg/kg	10	< RL

Abbreviation: < = less than
 RL = Reporting Limit
 mg/kg = milligram per kilogram

Remark:

- * Requirements for Cadmium content according to Annex XVII Entry 23 of Regulation (EC) No 1907/2006 (REACH) and its amendments
 - Mixtures and articles produced from plastic material < 0.01 % (100 mg/kg)
 - Coated / painted articles < 0.1 % (1000 mg/kg)
 - Jewellery components < 0.01 % (100 mg/kg)
 - Paints and varnishes (excluding the applicable exemptions) < 0.01 % (100 mg/kg)

- ** Swiss requirements for cadmium content according to the Switzerland Chemikalien-Risikoreduktions-Verordnung- ChemRRV, 814.81
 - Mixtures and articles produced from plastic material < 0.01 % (100 mg/kg)
 - Articles / objects treated with paints / coating with cadmium is prohibited
 - Paints and varnishes < 0.01 % (100 mg/kg)



8. Polycyclic aromatic hydrocarbons (PAHs)

Test Method: Organic solvent extraction, GCMS

Test Parameter	CAS NO	Unit	RL	Test No.	T001	T002	T003
				Material No.	M003	M004	M009
				Result	Result	Result	Result
Benzo[a]anthracene (BaA)	56-55-3	mg/kg	0.2	< RL	< RL	< RL	< RL
Benzo[a]pyrene (BaP)	50-32-8	mg/kg	0.2	< RL	< RL	< RL	< RL
Benzo[b]fluoranthene (BbFA)	205-99-2	mg/kg	0.2	< RL	< RL	< RL	< RL
Benzo[k]fluoranthene (BkFA)	207-08-9	mg/kg	0.2	< RL	< RL	< RL	< RL
Benzo[j]fluoranthene (BjFA)	205-82-3	mg/kg	0.2	< RL	< RL	< RL	< RL
Benzo[e]pyrene (BeP)	192-97-2	mg/kg	0.2	< RL	< RL	< RL	< RL
Chrysene (CHR)	218-01-9	mg/kg	0.2	< RL	< RL	< RL	< RL
Dibenzo[a,h]anthracene (DBAhA)	53-70-3	mg/kg	0.2	< RL	< RL	< RL	< RL

Abbreviation: < = less than
 RL = Reporting Limit
 NA = Not Applicable
 mg/kg = milligram per kilogram

Remark:

- * Requirement according to REACH regulation (EC) No. 1907/2006 with Amendment No. 552/2009 Annex XVII Item No. 50 and (EU) No.1272/2013, are summarized as below:



Test Report No.: 304107354a 001

Page 15 of 18

9.Pentachlorophenol (PCP), Tetrachlorophenol (TeCP) & Trichlorophenol (TriCP)

 Test Method: Ref. to 64 LFGB B 82.02-8: 2001
 # Ref. to ISO 17070:2015

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Customer's Requirement	Test Result	Conclusion
T001	M007	Pentachlorophenol (PCP)	mg/kg	0.1	0.5	< RL	Pass
		Tetrachlorophenol (TeCP)	mg/kg	0.1	0.5	< RL	
		Trichlorophenol (TriCP)	mg/kg	0.1	0.5	< RL	
T002	M005	Pentachlorophenol (PCP)	mg/kg	0.1	0.5	< RL	Pass
		Tetrachlorophenol (TeCP)	mg/kg	0.1	0.5	< RL	
		Trichlorophenol (TriCP)	mg/kg	0.1	0.5	< RL	
T003	M006	Pentachlorophenol (PCP)	mg/kg	0.1	0.5	< RL	Pass
		Tetrachlorophenol (TeCP)	mg/kg	0.1	0.5	< RL	
		Trichlorophenol (TriCP)	mg/kg	0.1	0.5	< RL	

Abbreviation:
 < = less than
 RL = Reporting Limit
 mg/kg = milligram per kilogram



Test Report No.: 304107354a 001 Page 16 of 18

10. Phthalates content

Test Method: Ref. to CPSC-CH-C1001-09.4

Test Result:

Test Parameter	CAS NO	Test No.		T001	T002	T003
		Unit	RL	M003	M004	M009
Diethylhexyl phthalate (DEHP)	117-81-7	%	0.005	< RL	< RL	< RL
Dibutyl phthalate (DBP)	84-74-2	%	0.005	< RL	< RL	< RL
Benzylbutyl phthalate (BBP)	85-68-7	%	0.005	< RL	< RL	< RL
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	< RL	< RL	< RL
Sum (DEHP+DBP+BBP+DIBP)	-	%	0.005	<RL	<RL	<RL
Diisononyl phthalate (DINP)	28553-12-0, 68515-48-0	%	0.005	< RL	< RL	< RL
Diisodecyl phthalate (DIDP)	26761-40-0, 68515-49-1	%	0.005	< RL	< RL	< RL
Di-n-octyl phthalate (DNOP)	117-84-0	%	0.005	< RL	< RL	< RL
Sum (DINP+ DIDP+ DNOP)	--	%	0.005	<RL	<RL	<RL
Conclusion: REACH regulation (EC) No. 1907/2006 and its amendment Annex XVII entries 51 and 52				Pass	Pass	Pass

Abbreviation: < = less than
 RL = Reporting Limit
 % = percentage



Test Report No.: 304107354a 001 Page 17 of 18

Remark:

- Requirement of REACH regulation (EC) No. 1907/2006 and its amendment Annex XVII entries 51 and 52:

Parameter	Unit	Maximum Permissible Limit
Plasticised materials in toys and childcare articles, or other articles# place on the market;		
Diethylhexyl phthalate (DEHP) Dibutyl phthalate (DBP) Benzylbutyl phthalate (BBP) Diisobutyl phthalate (DIBP)	%	0.1 (individually or sum of the four phthalates) Effective after 7 July 2020.
Plasticised materials in children's toy and childcare articles which can be placed in the mouth by children:		
Di-n-octyl phthalate (DNOP) Diisodecyl phthalate (DIDP) Diisononyl phthalate (DINP)	%	0.1 (sum of the three phthalates)

Denote:

Examples of articles that are excluded from the restriction

- 1) Articles exclusively for industrial / agricultural use / use in open air, provided that no plasticised material comes into contact with human mucous membranes or into prolonged contact with human skin (i.e. Continuous contact of more than 10 minutes duration or intermittent contact over a period of 30 minutes, per day.)
 - 2) Aircraft and motor vehicles (Directive 2007/46/EC) placed on the market before 7 January 2024, or articles for use exclusively in the maintenance or repair of them
 - 3) Measuring devices for laboratory use;
 - 4) Food contact material and articles within the scope of Regulation (EC) No 1935/2004 or Commission Regulation (EU) No 10/2011
 - 5) Medical devices (Directive 90/385/EEC, 93/42/EEC or 98/79/EC)
 - 6) Electrical and electronic equipment within the scope of Directive 2011/65/EU
 - 7) Immediate packaging of medicinal products (Regulation (EC) No 726/2004, Directive 2001/82/EC or Directive 2001/83/EC)
- Single component with an amount below reporting limit was not considered by the calculation of the sum. In the case of all phthalates were not detected, the result is stated <RL.



Test Report No.: 304107354a 001 Page 18 of 18

Sample Photos



68517



50700

- END -



