

Test Report

Report No.: GCT20250728CP00124

Date: August 05, 2025

Page 1 of 9

Applicant : SHANTOU CITY BEIBEIKE COSMETIC INDUSTRY CO., LTD.
Address : SHENZHOU VILLAGE INDUSTRIAL ZONE, LIANXIA TOWN, CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA/A
Manufacturer : SHANTOU CITY BEIBEIKE COSMETIC INDUSTRY CO., LTD.
Address : SHENZHOU VILLAGE INDUSTRIAL ZONE, LIANXIA TOWN, CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA/A

The submitted sample and sample information was/were submitted and identified by/on the behalf of the client.

Sample Name : Nail Design Set
Model No. : K1W172
Labelled Age Grading : 3+ years old
Requested Age Grade : 3+ years old
Tested Age Grading : 3+ years old
Sample Received Date : July 28, 2025
Testing Period : July 28, 2025 – July 30, 2025

Test Requested:

(1) European Standard on Safety of Toys:
EN71-1: 2014+A1:2018 – Mechanical and Physical Properties
EN71-2:2020 – Flammability of Toys
EN71-3:2019+A2:2024 –Migration of certain elements
(2) As specified by client, According to Annex XVII Item 51 and item 52 of the REACH regulation (EC) No.1907/2006 & amendment No.552/2009 to test Phthalates (DEHP, DBP, BBP, DIBP, DINP, DIDP, DNOP) in the tested materials of the submitted sample(s).

Conclusion

Pass
Pass
Pass
Pass

Test Result(s): Please refer to the following page(s).

Signed for and on behalf of
Shenzhen GCT Testing Technology Co.,Ltd

Tested by Joyce Yuang Reviewed by Raymond Yao Authorized Signatory Zemy Xia



Test Report

Report No.: GCT20250728CP00124

Date: August 05, 2025

Page 2 of 9

Tested Sample/Part Description:

No.	Description
1	Purple plastic
2	Pink plastic
3	Blue plastic

Test Result(s):

(1)-1:EN71 Part 1: 2014+A1:2018 - Mechanical and Physical Properties

Clause	Description	Result
4	GENERAL REQUIREMENTS	PASS
4.1	Material cleanliness	PASS
4.2	Assembly	N/A
4.3	Flexible plastics 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 and 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
4.15	Toys intended to bear the mass of a child	N/A
4.16	Heavy immobile toys	N/A
4.17	Projectiles	N/A
4.18	Aquatic toys and inflatable toys	N/A



Test Report

Report No.: GCT20250728CP00124

Date: August 05, 2025

Page 3 of 9

Clause	Description	Result
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
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	Filling materials	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
5.15	Sledges with cords for pulling	N/A
6	PACKAGING	PASS
7	Warnings, markings and instructions for use	PASS



Test Report

USE AND ABUSE TESTS

The samples were undergo the tests in accordance with section 8.3 through 8.13, whichever is applicable

Clause	Test parameters
8.3 Torque Test	0.34N.m
8.4 Tension test	70 N
8.5 Drop Test	5*850 mm
8.7 Impact Test	1*100mm
8.8 Compression Test	110N

Note:

- As per client's requirement, the sample(s) was evaluated for use by children 3+
- N/A=Not Application
- Clause 4.3/5.3/6 : The flexible plastic sheeting area less than 100*100mm
- Clause 4.10.3 : Hinges has a mass of less than 250 g.
- Clause 4.17 : The projectiles maximum range less than 300 mm.



Test Report

Report No.: GCT20250728CP00124

Date: August 05, 2025

Page 5 of 9

(1)-2:EN71 Part 2:2020 - Flammability of Toys

Clause	Description	Result
4	Requirements	
4.1	General	N/A
4.2	Toys to be worn on the head	N/A
4.2.1	General	N/A
4.2.2	Beards, moustaches, wigs, etc. made from hair, pile or material with similar features (e.g. freehanging ribbons, paper or cloth strands), which protrude more than or equal to 50 mm from the surface of the toy	N/A
4.2.3	Beards, moustaches, wigs etc. made from hair, pile or material with similar features (e.g. freehanging ribbons, paper or cloth strands etc.), which protrude less than 50 mm from the surface of the toy	N/A
4.2.4	Full or partial moulded head masks	N/A
4.2.5	Flowing elements of toys to be worn on the head (except those covered by 4.2.2 and 4.2.3), hoods, head-dresses etc. and fabric masks which partially or fully cover the head, but excluding those items covered by 4.3	N/A
4.3	Toys disguise costumes and other 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 (animals and dolls, etc) with a piled or textile surface	N/A

Note:

Clause 4.5

Sample Name

Burning Rate (mm/sec)

(Requirement: The rate of spread of flame on the surface shall not be more than 30 mm/s or the toy shall self-extinguish.)

DNI = Did Not Ignite

IBSE = Ignite But Self-Extinguished

N/A=Not Application



Test Report

Report No.: GCT20250728CP00124

Date: August 05, 2025

Page 6 of 9

(1)-3 EN71-3:2019+A2:2024- Migration of Certain Elements.

Table 1

Permissible Limit for Different Materials (Unit: mg/kg)

Item	Category III In scraped-off toy material	Category II In liquid or sticky toy material	Category I In dry, brittle, powder-like or pliable toy material
Aluminium (Al) (M)	28130	560	2250
Antimony (Sb) (M)	560	11.3	45
Arsenic (As) (M)	47	0.9	3.8
Barium (Ba) (M)	18750	375	1500
Boron (B) (M)	15000	300	1200
Cadmium (Cd) (M)	17	0.3	1.3
Chromium III(Cr(III)) (M)	460	9.4	37.5
Chromium VI (Cr(VI)) (M)	0.053	0.005	0.02
Cobalt (Co) (M)	130	2.6	10.5
Copper (Cu) (M)	7700	156	622.5
Lead (Pb) (M)	23	0.5	2.0
Manganese (Mn) (M)	15000	300	1200
Mercury (Hg) (M)	94	1.9	7.5
Nickel (Ni) (M)	930	18.8	75
Selenium (Se) (M)	460	9.4	37.5
Strontium (Sr) (M)	56000	1125	4500
Tin (Sn) (M)	180000	3750	15000
Organic Tin (M)	12	0.2	0.9
Zinc (Zn) (M)	46000	938	3750



Test Report

Report No.: GCT20250728CP00124

Date: August 05, 2025

Page 7 of 9

Category III: Scrapped - off toy material

Test method: EN71-3:2019+A2:2024, Analysis was performed by ICP-OES, GC-MS, LC-ICP-MS.

Unit: mg/kg

Tested Item(s)	Result(s)			MDL	Limit
	1	2	3		
Aluminium (Al) (M)	N.D.	N.D.	N.D.	50	See Table 1
Antimony (Sb) (M)	N.D.	N.D.	N.D.	2.0	
Arsenic (As) (M)	N.D.	N.D.	N.D.	0.5	
Barium (Ba) (M)	N.D.	N.D.	N.D.	50	
Boron (B) (M)	N.D.	N.D.	N.D.	50	
Cadmium (Cd) (M)	N.D.	N.D.	N.D.	0.3	
Chromium III (Cr(III)) (M)	N.D.	N.D.	N.D.	0.2	
Chromium VI (Cr(VI)) (M)	N.D.	N.D.	N.D.	0.005	
Cobalt (Co) (M)	N.D.	N.D.	N.D.	2.5	
Copper (Cu) (M)	N.D.	N.D.	N.D.	50	
Lead (Pb) (M)	N.D.	N.D.	N.D.	0.25	
Manganese (Mn) (M)	N.D.	N.D.	N.D.	50	
Mercury (Hg) (M)	N.D.	N.D.	N.D.	1.0	
Nickel (Ni) (M)	N.D.	N.D.	N.D.	10	
Selenium (Se) (M)	N.D.	N.D.	N.D.	5	
Strontium (Sr) (M)	N.D.	N.D.	N.D.	50	
Tin (Sn) (M)	N.D.	N.D.	N.D.	50	
Organic Tin* (M)	N.D.	N.D.	N.D.	0.15	
Zinc (Zn) (M)	N.D.	N.D.	N.D.	50	
Conclusion	Pass	Pass	Pass	/	

Note:

mg/kg = milligram per kilogram

M = Migration

MDL = Method detection limit

N.D.= Not Detected (lower than method detection limit)

* = Migration of organic tin is expressed as tributyl tin cation content in mg/kg.



Test Report

Report No.: GCT20250728CP00124

Date: August 05, 2025

Page 8 of 9

(2) Phthalates (DEHP, DBP, BBP, DIBP, DINP, DIDP, DNOP)

Test Method: IEC 62321-8:2017, Analysis was performed by GC-MS

Tested Item(s)	CAS. No.	Result(mg/kg)	MDL (mg/kg)	Limit of REACH regulation (EC) Annex XVII (mg/kg)
		1+2+3 (mixed test)		
Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	N.D	50	1000
Dibutyl phthalate (DBP)	84-72-2	N.D	50	1000
Benzyl butyl phthalate (BBP)	85-68-7	N.D	50	1000
Diisobutyl phthalate (DIBP)	84-69-5	N.D	50	1000
DEHP+DBP+BBP+DIBP	/	N.D	/	1000
Di-'isononyl' phthalate (DINP)	28553-12-0/ 68515-48-0	N.D	100	1000
Di-'isodecyl' phthalate (DIDP)	26761-40-0/ 68515-49-1	N.D	100	1000
Di-n-octyl phthalate (DNOP)	117-84-0	N.D	50	1000
DINP+DIDP+DNOP	/	N.D	/	1000

Remark: MDL = Method Detection Limit
 N.D = Not Detected (<MDL)
 mg/kg = ppm = parts per million

Test Report

Report No.: GCT20250728CP00124

Date: August 05, 2025

Page 9 of 9

Photograph of Sample



Product Name	: Nail Design Set
Product Model	: K1W172
Manufacturer Product Batch	: K1W172
Manufacturer	: SHANTOU CITY BEIBEIKE COSMETIC INDUSTRY CO., LTD.
Manufacturer Address	: SHENZHOU VILLAGE INDUSTRIAL ZONE, LIANXIA TOWN, CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA
Age of application	: 3+ years old
Manufacture Date	: 2025-07-11

MADE IN CHINA



WARNING:
CHOKING HAZARD—Small parts.
Choking hazard
Not for children under 3 yrs



0-3

***** End of Report *****