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检测
TESTING
CNAS L5772



Test Report

Report No.:PTC23022200701C-EN01

Issue Date:Feb. 27, 2023

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Applicant: Munchkin Mats Pty Ltd
Address: 58 Nestor Avenue Bardon QLD 4065 Australia

The following merchandise was (were) submitted and identified by client as:

Sample Name: Silicone Sensory Tummy Time Mirror
Style No.: MMB-001
Colour: 5585C, 15-4008 TCX , 13-1504 TCX
Country of Origin: China
Age Group for Testing: 0+
Applicant's Specified Age Group for Testing: 0+
Manufacturer: Shenzhen Wo Silicone Tech Co., Ltd.
Address: 1st Floor, No.42, 2nd Road Hantang, Henggang Town,Longgang District, Shenzhen, China
Sample Received Date: Feb. 22, 2023
Completed Date: Feb. 27, 2023

Test Requested and Conclusion(s): Please refer to next page(s).

Prepared by: Anne

Checked by:Crystal

Approved by:Miya

Anne

Crystal

miya



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Test Requested and Conclusion(s):

No.	Test Sample	Standard and Requirement	Conclusion(s)
1)	Submitted sample	EN 71-1:2014+A1:2018 European Standard for Safety of Toys - Mechanical and Physical Properties	PASS
2)	Submitted sample	EN 71-2:2020 European Standard for Safety of Toys - Flammability	PASS
3)	Submitted sample	EN 71-3:2019+A1:2021 European Standard for Safety of Toys - Migration of Certain Elements	PASS (Category III)

Test Result(s): Please refer to next page(s).

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Test Result(s):

1) EN 71-1:2014+A1:2018 European Standard for Safety of Toys

Mechanical and Physical Properties

Section	Test Item	Assessment
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.
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	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	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	Test Item	Assessment
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	PASS
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 ride-on toys	N.A.
5.7	Glass and porcelain	N.A.
5.8	Shape and size of certain toys	PASS
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	PASS
7	Warnings ,markings and instructions for use	
7.1	General	PASS
7.2	Toys not intended for children under 36 months	N.A.
7.3	Latex balloons	N.A.

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Section	Test Item	Assessment
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, skateboards and certain other ride-on toys	N.A.
7.11	Toys intended to be attached to or 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.
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.

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Note: 1. N.A. = Not Applicable

Test Result(s):

2) EN 71-2:2020 European Standard for Safety of Toys

Flammability

Section	Test Item	Assessment
4.1	General requirements	PASS
4.2	Toys to be worn on the head	N.A.
4.3	Toys disguise costumes and toys intended to 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.

Note: N.A. = Not Applicable

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Test Result(s):

3) EN 71-3:2019+A1:2021 European Standard for Safety of Toys

Migration of Certain Elements

Method:As per EN 71-3:2019+A1:2021 , analyzed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES), Gas Chromatograph-Mass Spectrometry (GC-MS) and ion chromatograph .

Substance	RL (mg/kg)	Result (mg/kg)				
		1	2	3	4	5
Aluminium (Al)	5.0	N.D.	N.D.	N.D.	N.D.	10400
Antimony (Sb)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic (As)	2.5	N.D.	N.D.	N.D.	N.D.	N.D.
Barium (Ba)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Boron (B)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(III) (Cr ³⁺)	2.0	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(VI) (Cr ⁶⁺)	0.05	N.D.	N.D.	N.D.	N.D.	N.D.
Cobalt (Co)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Copper (Cu)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Manganese (Mn)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium (Se)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Strontium (Sr)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Tin (Sn)	2.5	N.D.	N.D.	N.D.	N.D.	N.D.
Organic tin☆	0.1	N.D.	N.D.	N.D.	N.D.	N.D.
Zinc (Zn)	5.0	N.D.	N.D.	N.D.	N.D.	N.D.
Conclusion		PASS	PASS	PASS	PASS	PASS

- Note:**
1. mg/kg = part per million (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL = Report Limit.
 4. "☆" = The migration of organic tin is expressed as tributyltin.

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The table of Migration Elements limit:

Substance	Limit (mg/kg)		
	Category I: Dry, brittle, powder-like or pliable toy material	Category II: Liquid or sticky toy material	Category III: Scraped-off toy material
Aluminium (Al)	2250	560	28130
Antimony (Sb)	45	11.3	560
Arsenic (As)	3.8	0.9	47
Barium (Ba)	1500	375	18750
Boron (B)	1200	300	15000
Cadmium (Cd)	1.3	0.3	17
Chromium(III) (Cr ³⁺)	37.5	9.4	460
Chromium(VI) (Cr ⁶⁺)	0.02	0.005	0.053
Cobalt (Co)	10.5	2.6	130
Copper (Cu)	622.5	156	7700
Lead (Pb)	2.0	0.5	23
Manganese (Mn)	1200	300	15000
Mercury (Hg)	7.5	1.9	94
Nickel (Ni)	75	18.8	930
Selenium (Se)	37.5	9.4	460
Strontium (Sr)	4500	1125	56000
Tin (Sn)	15000	3750	180000
Organic tin ◇	0.9	0.2	12
Zinc (Zn)	3750	938	46000

Note: "◇" = Organic tin include Methyl tin, Dimethyltin, Butyltin, Dibutyl tin, Tributyl tin, Monoctyltin, Tetrabutyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Triphenyl tin.

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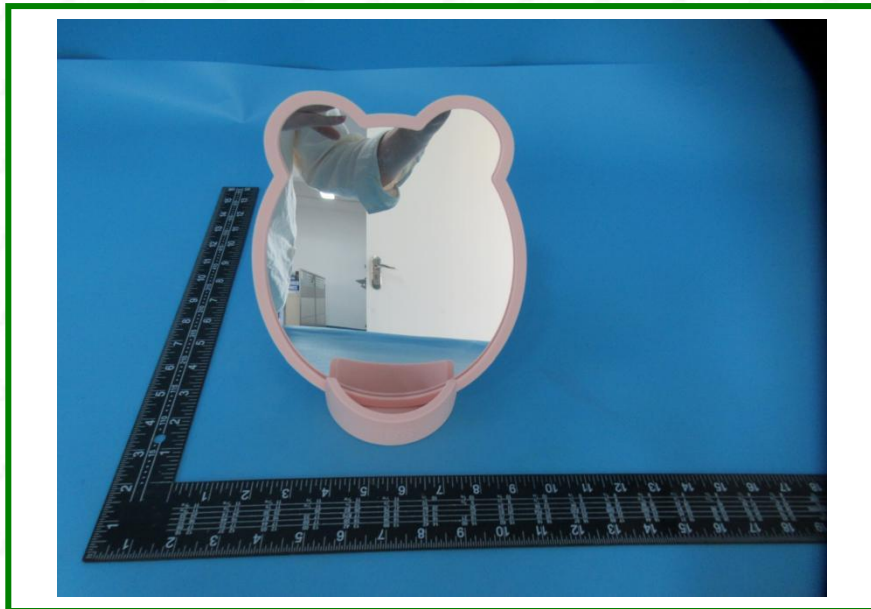
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Test Material List

The following material(s) apply only to the sample(s) submitted for chemical testing.

Material No.	Description	Location
1	Pink silicone	Body
2	Blue silicone	Body
3	Green silicone	Body
4	Transparent plastic	Mirror
5	Dark grey coating	Surface, mirror

Photo(s) of Sample:



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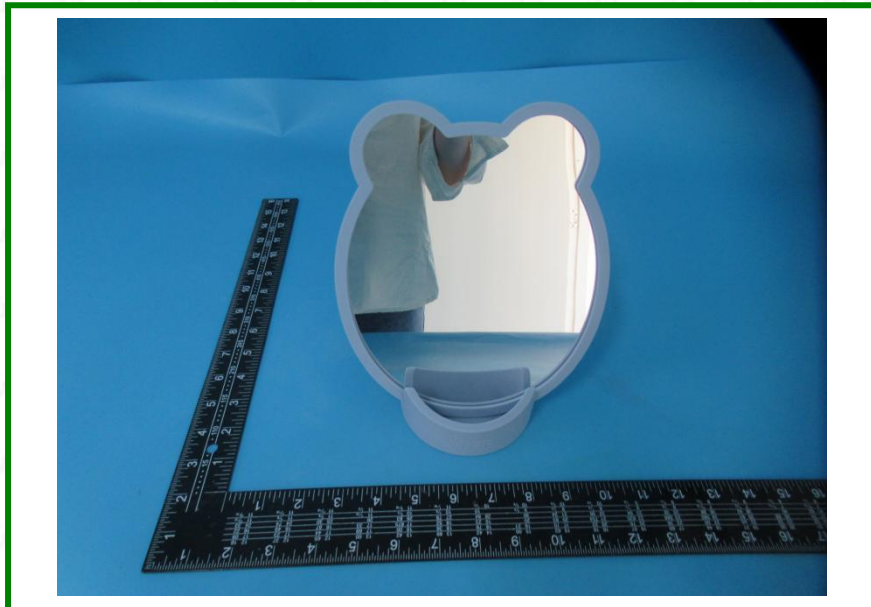


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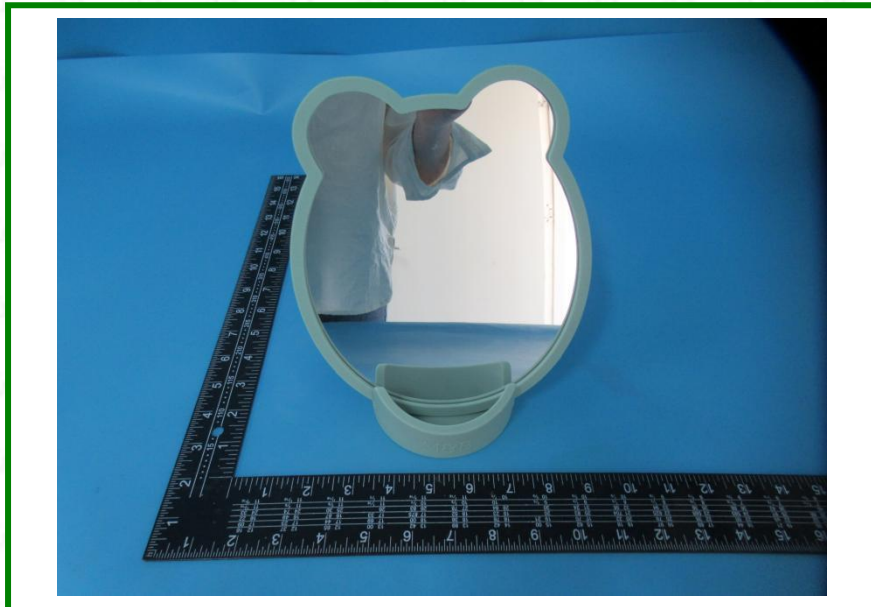


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