

Test Report

Number: SHAH0164165602

Applicant: FUJIAN FEELBABY TECHNOLOGY CO.,LTD
BESIDE WENZHOU AVENUE,SHUANGYUE PROJECT
AREA,FUDING INDUSTRIAL ZONE,NINGDE CITY,
FUJIAN PROVINCE,CHINA.
Attn: YOU JIAN JIE

Date: Jan 18, 2024

Sample Description:

Two (2) pieces of submitted sample said to be :

Item Name : Slide.
Item No. : FE-HT-QMW, FE-HT-QMW01, FE-HT-QMW02, FE-HT-QMW03, FE-HT-QMW04, FE-HT-QMW05, FE-HT-QMW07, FE-HT-QMW08, FE-HT-QMW09.
Age : 1-8 years
Country Of Origin : China.

Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

Conclusion:

Tested sample	Standard	Result
Submitted Sample Set	EN71-1: 2014+ A1: 2018 for Mechanical And Physical Properties	Pass
	EN71-2: 2020 Flammability Test	Pass
Tested components of submitted sample	EN 71-3:2019+A1:2021 on migration of certain elements	Pass
Submitted Sample Set	EN71-8: 2018 Safety Of Toys - Activity Toys For Domestic Use	Pass
	BS EN71-1 : 2014 + A1 : 2018 - Mechanical and physical properties	Pass
	BS EN71-2: 2020 Flammability Test	Pass
Tested component of submitted sample	BS EN 71-3: 2019+A1:2021 on migration of certain elements	Pass
Submitted Sample Set	BS EN71-8: 2018 Safety of Toys - Activity Toys For Domestic Use	Pass

To be continued

Authorized By:
For Intertek Testing Services Ltd., Shanghai



Bill Zhang
General Manager



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<u>Tested sample</u>	<u>Standard</u>	<u>Result</u>
Tested Components of Submitted Sample	Phthalates content requirement in Annex XVII Items 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 (formerly known as Directive 2005/84/EC)	Pass
	Phthalates content requirement in Annex XVII Item 51 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & Amendment Commission Regulation (EU) 2018/2005 (Formerly known as Directive 2005/84/EC)	Pass
Tested component of submitted samples	Lead content requirement in Commission Regulation (EU) 2015/628 of 22 April 2015 Amending Annex XVII item 63 of the REACH Regulation (EC) No. 1907/2006	Pass

To be continued

Authorized By:
For Intertek Testing Services Ltd., Shanghai



Bill Zhang
General Manager



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Tests Conducted

1 Mechanical and Physical Test

As Per European Standard on Safety of Toys EN71-1: 2014+ A1: 2018.

Applicant's Specified Age Group for Testing: For ages 12 months and up

The submitted samples were undergone the following abuse tests:		
Test	Clause	Parameter
Torque Test	8.3	0.34 Nm
Tension Test	8.4.2.1	90 N
Drop Test	8.5	850 mm x 5times
Tip over test	8.6	3times
Impact Test	8.7	1 kg
Compression Test	8.8	110 N

Clause	Testing Items	Assessment
4	General Requirements	
4.1	Material cleanliness	P
4.2	Assembly	P
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectile toys	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy disguise costumes	NA
4.27	Flying toys	NA



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Clause	Testing Items	Assessment
5	Toys intended for Children under 36 Months	
5.1	General requirements	P
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	P
5.5	Liquid filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	P
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	NA
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectile toys	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inline skates and skateboards and certain other ride-on toys	NA
7.11	Toys intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethingers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA



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Clause	Testing Items	Assessment
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

Remark: P = Pass NA = Not Applicable

Artwork of packaging was provided for testing.

Remark: Additional information according to the Toy Safety Directives 2009/48/EC requirement. These information also appears as a note within the EN 71 but are not standard requirements:

1. Marking

The manufacturer's and importer's name, registered trade name or registered trade mark, the address and the CE-marking shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompany the toy. In addition, manufacturers shall 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.

After checking, it was found that:

	Toy	Packaging
Manufacturer's name	Present	Present
Manufacturer's address	Present	Present
Importer's name	Absent	Absent
Importer's address	Absent	Absent
Product identification code	Present	Present
CE-marking	Absent	Present

Date Sample Received: Dec.11, 2023

Testing Period: Dec.11, 2023 to Dec.18, 2023

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Tests Conducted

2 Flammability Test

As per European Standard on Safety of Toys EN71-2: 2020

Clause	Testing Items	Assessment
4.1 *	General	P
4.2	Toys to be worn on the head	
4.2.2	Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude 50 mm or more from the surface of the toy	NA
4.2.3	Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude less than 50 mm from the surface of the toy	NA
4.2.4	Full or partial moulded head masks	NA
4.2.5	Toys to be worn on the head	NA
4.3	Toy Disguise Costumes and Toys Intended to be Worn by a Child in Play	NA
4.4	Toys Intended to be Entered by a Child	NA
4.5	Soft Filled Toys	NA

Remark : P = Pass NA = Not Applicable

Date Sample Received: Dec.11, 2023

Testing Period: Dec.11, 2023 to Dec.18, 2023

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Tests Conducted

- 3 19 Toxic Element Migration Test
(A) Test Result

As per EN 71-3:2019+A1:2021 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry, Ion Chromatography with UV-VIS and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

Element	Result (mg/kg)						Reporting Limit (mg/kg)	Limit (mg/kg)
	(1)	(2)	(3)	(4)	(5)	(6)		
Aluminium (Al)	ND	ND	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) **	ND	ND	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI) **	ND	ND	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	ND	ND	ND	5	12
Zinc (Zn)	ND	ND	ND	ND	ND	ND	100	46000

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Tests Conducted

Element	Result (mg/kg)						Reporting Limit (mg/kg)	Limit (mg/kg)
	(7)	(8)	(9)	(12)	(13)	(14)		
Aluminium (Al)	ND	ND	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) **	ND	ND	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI) **	ND	ND	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	ND	ND	ND	5	12
Zinc (Zn)	ND	ND	ND	ND	ND	ND	100	46000

Remark : mg/kg = milligram per kilogram
 ++ = Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.
 - Organic tin test result was expressed as tributyl tin.
 ND = Not detected (less than reporting limit)

Tested component(s): See component list in the last section of this report / See W/S

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Tests Conducted

(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III: Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).

Date Sample Received: Dec.11, 2023

Testing Period: Dec.11, 2023 to Jan.16, 2024

4 Safety Requirement For Activity Toy

Test Standard: EN71-8: 2018 Safety Of Toys - Part 8: Activity Toys For Domestic Use.

Applicant's Specified

- Age Group For Testing: For ages 12 months and up
- Maximum Weight Of Single User: 60kg

Number Of Samples Tested: One (1) Set.

Clause	Requirement	Result
4.1	General	
4.1.1	Assembly	P
4.1.2	Static Strength	P
4.1.3	Maximum Height	P
4.1.4	Corners And Edges	P
4.1.5	Protruding Parts	P
4.1.6	Diameter Of Ropes And Other Means Of Suspension	NA
4.1.7	Water Accumulation	P
4.2	Barriers, Handrails And Ladders And Similar Means Of Access To Activity Toys	
4.2.1	Barriers And Handrails Preventing A Child From Falling Down	NA
4.2.2	Ladders And Similar Means Of Access To Activity Toys	NA
4.3	Entrapment	
4.3.1	Entrapment Of Head And Neck	P
4.3.2	Entrapment Of Clothing And Hair	P
4.3.3	Entrapment Of Feet	P
4.3.4	Entrapment Of Fingers	P
4.4	Stability Of Activity Toys Other Than Slides, Swings And Activity Toys With crossbeams, And See-Saws	
4.4.1	General	P
4.4.2	Stability Of Activity Toys With A Free Height Of Fall Of 600 mm Or Less	P
4.4.3	Stability Of Activity Toys With A Free Height Of Fall Of More Than 600 mm	NA
4.5	Slides	

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Tests Conducted

Clause	Requirement	Result
4.5.1	General	P
4.5.2	Stability Of Slides	P
4.5.3	Retaining Sides Of Slides	P
4.5.4	Starting, Sliding And Run-Out Sections On Slides	P
4.6	Swings	
4.6.1	Stability Of Swings And Other Activity Toys With Crossbeams	NA
4.6.2	Static Strength Of Crossbeams, Swing Devices And Suspension Connectors	NA
4.6.3	Swings Intended For Children Under 36 Months	NA
4.6.4	Minimum Clearance Between Adjacent Swing Elements, And Adjacent Structures	NA
4.6.5	Lateral Stability Of Swing Elements	NA
4.6.6	Minimum Clearance Between Swing Elements And The Ground	NA
4.6.7	Suspension Connectors And Swing Devices	NA
4.6.8	Impact, Geometry And Design Of Swing Elements	NA
4.7	See-saws	NA
4.7.1	Stability Of See-saws	NA
4.7.2	Seat/Stand Height	NA
4.7.3	Restraint Of Motion	NA
4.7.4	Pinching And Crushing Fingers And Toes	NA
4.7.5	Hand Supports	NA
4.8	Carousels And Rocking Activity Toys	NA
4.9	Paddling Pools	
4.9.1	Static Strength Of Paddling Pools With Non-Inflatable Walls	NA
4.9.2	Paddling Pools With Inflatable Walls	NA
5	Warnings, Markings, And Instructions	
5.1.1	General	P
5.1.2	Paddling Pools	NA
5.2	Assembly And Installation Instructions	P
5.3	Maintenance	P

Abbreviation: P = Pass; NA = Not Applicable;

Date Sample Received: Dec.11, 2023 & Jan.9, 2024

Testing Period: Dec.11, 2023 to Jan.10, 2024

To be continued



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Tests Conducted

5 Mechanical and Physical Test

As per British Standard on Safety of toys BS EN 71-1: 2014+A1: 2018.

Applicant's specified age group for testing: For ages 12 months and up

The submitted samples were undergone the following abuse tests:	
<u>Clause</u>	<u>Testing items</u>
8.3	Torque test (0.34 Nm)
8.4.2.1	Tension test (90 N)
8.5	Drop test (850 mm x 5 times)
8.6	Tip over test (3 times)
8.7	Impact test (1 kg)
8.8	Compression test (110 N)

Clause	Testing items	Assessment
4	General requirements	
4.1	Material cleanliness	P
4.2	Assembly	P
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectile toys	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing non-electrical heat source	NA
4.22	Small balls	NA



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Clause	Testing items	Assessment
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy Disguise Costumes	NA
4.27	Flying toys	NA
5	Toys intended for children under 36 months	
5.1	General requirements for children under 36 months	P
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	P
5.5	Liquid filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	P
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	NA
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectile toys	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inlineskates and skateboards and certain other ride-on toys	NA
7.11	Toys otherwise intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethingers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA



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Clause	Testing items	Assessment
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

Abbreviation: P = Pass NA = Not Applicable

Below are additional information according to the Toy Safety Directive 2009/48/EC requirement. These information also appears as a note within the BS EN71 but are not standard requirements and not accredited:

Marking

The manufacturer's and importer's name, registered trade name or registered trademark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the product itself. In addition, toys or packaging shall also bear the CE-marking.

After checking, it was found that

	Toy	Packaging
Manufacturer's name	Present	Present
Manufacturer's address	Present	Present
Importer's name	Absent	Absent
Importer's address	Absent	Absent
Product identification code	Present	Present
CE-marking	Absent	Present

To be continued



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Tests Conducted

Below is additional information checking according to the UK Toy (Safety) Regulations requirement. The checking is not within accreditation scope.

Marking

The manufacturer's and importer's name, registered trade name or registered trademark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the product itself.

After checking, it was found that

	Toy	Packaging
Manufacturer's name	Present	Present
Manufacturer's address	Present	Present
UK Importer's name	Absent	Absent
UK Importer's address	Absent	Absent
Product identification code	Present	Present

With reference to the guidance of using UKCA marking from 1 January 2021 by the Department for Business, Energy and Industrial Strategy published on 1 September 2020.

After checking UKCA marking, it was found that

	Toy	Packaging
UKCA marking	Absent	Present

Date Sample Received: Dec.11, 2023

Testing Period: Dec.11, 2023 to Dec.18, 2023

6 Flammability Test

As per British Standard on Safety of Toys BS EN71-2: 2020

Clause	Testing Items	Assessment
4.1	General	P
4.2	Toys to be worn on the head	
4.2.2	Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude 50 mm or more from the surface of the toy	NA
4.2.3	Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude less than 50 mm from the surface of the toy	NA
4.2.4	Full or partial moulded head masks	NA
4.2.5	Toys to be worn on the head	NA
4.3	Toy Disguise Costumes and Toys Intended to be Worn by a Child in Play	NA
4.4	Toys Intended to be Entered by a Child	NA
4.5	Soft Filled Toys	NA

Remark : P = Pass NA = Not Applicable

Date Sample Received: Dec.11, 2023

Testing Period: Dec.11, 2023 to Dec.18, 2023

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Tests Conducted

7 19 Toxic Elements Migration Test

(A) Test Result

As per BS EN 71-3:2019+A1:2021 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry, and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

Element	Result (mg/kg)						Limit (mg/kg)
	(1)	(2)	(3)	(4)	(5)	(6)	
Aluminium (Al)	< 300	< 300	< 300	< 300	< 300	< 300	28130
Antimony (Sb)	< 10	< 10	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) **	< 10	< 10	< 10	< 10	< 10	< 10	460
Chromium (VI) (Cr VI) **	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.053
Cobalt (Co)	< 10	< 10	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	< 10	< 10	23
Manganese (Mn)	< 10	< 10	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	< 10	180000
Organic tin **	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	< 100	< 100	46000

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Number: SHAH0164165602

Tests Conducted

Element	Result (mg/kg)						Limit (mg/kg)
	(7)	(8)	(9)	(12)	(13)	(14)	
Aluminium (Al)	< 300	< 300	< 300	< 300	< 300	< 300	28130
Antimony (Sb)	< 10	< 10	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) **	< 10	< 10	< 10	< 10	< 10	< 10	460
Chromium (VI) (Cr VI) **	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.053
Cobalt (Co)	< 10	< 10	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	< 10	< 10	23
Manganese (Mn)	< 10	< 10	< 10	< 10	< 10	< 10	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	< 10	180000
Organic tin **	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	< 100	< 100	46000

Remark: mg/kg = Milligram per kilogram

++ = Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

- Organic tin test result was expressed as tributyl tin.

Tested Component(s): See component list in the last section of this report.

To be continued



Test Report

Number: SHAH0164165602

Tests Conducted

(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III: Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).

Date Sample Received: Dec.11, 2023

Testing Period: Dec.11, 2023 to Jan.16, 2024

8 Safety Requirement For Activity Toys

As Per British Standard on Safety of Toys BS EN71-8: 2018 Safety of Toys - Part 8: Activity Toys For Domestic Use.

Applicant's Specified

- Age Group For Testing: For ages 12 months and up
- Maximum Weight Of Single User: 60kg

Number Of Samples Tested: One (1) Set.

Clause	Requirement	Result
4.1	General	
4.1.1	Assembly	P
4.1.2	Static Strength	P
4.1.3	Maximum Height	P
4.1.4	Corners And Edges	P
4.1.5	Protruding Parts	P
4.1.6	Diameter Of Ropes And Other Means Of Suspension	NA
4.1.7	Water Accumulation	P
4.2	Barriers, Handrails And Ladders And Similar Means Of Access To Activity Toys	
4.2.1	Barriers And Handrails Preventing A Child From Falling Down	NA
4.2.2	Ladders And Similar Means Of Access To Activity Toys	NA
4.3	Entrapment	
4.3.1	Entrapment Of Head And Neck	P
4.3.2	Entrapment Of Clothing And Hair	P
4.3.3	Entrapment Of Feet	P
4.3.4	Entrapment Of Fingers	P
4.4	Stability Of Activity Toys Other Than Slides, Swings And Activity Toys With crossbeams, And See-Saws	
4.4.1	General	P
4.4.2	Stability Of Activity Toys With A Free Height Of Fall Of 600 mm Or Less	P
4.4.3	Stability Of Activity Toys With A Free Height Of Fall Of More Than 600 mm	NA



Test Report

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Tests Conducted

Clause	Requirement	Result
4.5	Slides	
4.5.1	General	P
4.5.2	Stability Of Slides	P
4.5.3	Retaining Sides Of Slides	P
4.5.4	Starting, Sliding And Run-Out Sections On Slides	P
4.6	Swings	
4.6.1	Stability Of Swings And Other Activity Toys With Crossbeams	NA
4.6.2	Static Strength Of Crossbeams, Swing Devices And Suspension Connectors	NA
4.6.3	Swings Intended For Children Under 36 Months	NA
4.6.4	Minimum Clearance Between Adjacent Swing Elements, And Adjacent Structures	NA
4.6.5	Lateral Stability Of Swing Elements	NA
4.6.6	Minimum Clearance Between Swing Elements And The Ground	NA
4.6.7	Suspension Connectors And Swing Devices	NA
4.6.8	Impact, Geometry And Design Of Swing Elements	NA
4.7	See-saws	NA
4.7.1	Stability Of See-saws	NA
4.7.2	Seat/Stand Height	NA
4.7.3	Restraint Of Motion	NA
4.7.4	Pinching And Crushing Fingers And Toes	NA
4.7.5	Hand Supports	NA
4.8	Carousels And Rocking Activity Toys	NA
4.9	Paddling Pools	
4.9.1	Static Strength Of Paddling Pools With Non-Inflatable Walls	NA
4.9.2	Paddling Pools With Inflatable Walls	NA
5	Warnings, Markings, And Instructions	
5.1.1	General	P
5.1.2	Paddling Pools	NA
5.2	Assembly And Installation Instructions	P
5.3	Maintenance	P

Abbreviation: P = Pass; NA = Not Applicable;

Date Sample Received: Dec.11, 2023 & Jan.9, 2024

Testing Period: Dec.11, 2023 to Jan.10, 2024

To be continued



Test Report

Number: SHAH0164165602

Tests Conducted

9 Phthalate Content

With reference to ISO 8124-6: 2018 method A or C, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Tested Compound	CAS No.	Result (%w/w)			Limit (%w/w)
		(1+2+6)	(3+4+5)	(7+12)	(Max.)
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	-
Diisononyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	ND	ND	-
Diisodecyl phthalate (DIDP)	26761-40-0/ 68515-49-1	ND	ND	ND	-
Sum of DINP, DNOP and DIDP	--	ND	ND	ND	0.1

Tested Compound	CAS No.	Result (%w/w)		Limit (%w/w)
		(13+14)	(Max.)	
Di-n-octyl phthalate (DnOP)	117-84-0	ND	-	
Diisononyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	-	
Diisodecyl phthalate (DIDP)	26761-40-0/ 68515-49-1	ND	-	
Sum of DINP, DNOP and DIDP	--	ND	0.1	

The above limit was quoted according to Annex XVII Item 52 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 for phthalate content in toys and childcare articles.

Remark: Detection Limit = 0.01%(w/w)
ND = Not Detected

Tested Components: See component list in the last section of this report.

Date Sample Received: Dec.11, 2023
Testing Period: Dec.11, 2023 to Dec.29, 2023

To be continued



Test Report

Number: SHAH0164165602

Tests Conducted

10 Phthalate Content

With reference to ISO 8124-6: 2018 method A or C, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test Item	CAS No.	Result (%w/w)		Detection Limit (%w/w)	Limit (%w/w)
		(1+2+6)	(3+4+5)		
Dibutyl phthalate (DBP)	84-74-2	ND	ND	0.01	-
Diethyl hexyl phthalate (DEHP)	117-81-7	ND	ND	0.01	-
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	0.01	-
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.01	-
Sum of DBP,DEHP,BBP and DIBP	--	ND	ND	0.01	0.1

Test Item	CAS No.	Result (%w/w)		Detection Limit (%w/w)	Limit (%w/w)
		(7+12)	(13+14)		
Dibutyl phthalate (DBP)	84-74-2	ND	ND	0.01	-
Diethyl hexyl phthalate (DEHP)	117-81-7	ND	ND	0.01	-
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	0.01	-
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.01	-
Sum of DBP,DEHP,BBP and DIBP	--	ND	ND	0.01	0.1

The above limit was quoted according to Annex XVII Item 51 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & Amendment Commission Regulation (EU) 2018/2005 for phthalate content in articles.
Remark: ND = Not Detected (Less than detection limit)

Tested Components: See component list in the last section of this report.

Date Sample Received: Dec.11, 2023

Testing Period: Dec.11, 2023 to Dec.29, 2023

11 Lead (Pb) Content

With reference to method IEC 62321-5:2013, microwave digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result (%)	Limit (%)
(1+2+6)	ND	0.05
(3+4+5)	ND	0.05
(7+12)	ND	0.05
(11)	0.0025	0.05
(13+14)	ND	0.05

Remark: ND = Not Detected (Less than detection limit)
Detection Limit = 0.001%

Tested Components: See component list in the last section of this report.

Date Sample Received: Dec.11, 2023

Testing Period: Dec.11, 2023 to Jan.3, 2024

To be continued



Test Report

Number: SHAH0164165602

Tests Conducted

SHAH01641656



To be continued



Test Report

Number: SHAH0164165602

Tests Conducted



To be continued



Test Report

Number: SHAH0164165602

Tests Conducted



To be continued



Test Report

Number: SHAH0164165602

Tests Conducted



To be continued



Test Report

Number: SHAH0164165602

Tests Conducted



To be continued



Test Report

Number: SHAH0164165602

Tests Conducted

Components list :

- (1) Light grey plastic. (frame & adapting piece)
- (2) White plastic. (frame)
- (3) Cyan plastic. (ring)
- (4) Brown plastic. (ring)
- (5) Dark grey plastic. (ring)
- (6) Blanchedalmond plastic. (ring)
- (7) Brown soft plastic. (ball)
- (8) White rope. (net)
- (9) Orange rope. (net)
- (10) Silver grey webbing.
- (11) Silver color metal. (hook)
- (12) Transparent/white soft plastic. (valve)
- (13) Yellow plastic. (different part)
- (14) Dark blue plastic. (different part)

Refer to:

- SHJ 163412901-4
- SHJ 163412901-2
- SHJ 163412901-7
- SHJ163413802 (3)
- SHJ 163412901-5
- SHJ 163412901-3
- SHJ163411202 (8)
- SHJ 163412901-15
- SHJ 163412901-16

- SHJ 163412901-14

End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band $w = U$) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.

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