

Test Report

Number: SHAH01674992

Applicant: FUJIAN SENDA FOREIGN TRADE CO.,LTD
22F ZHIDI PLAZA, NO.89
WUSI ROAD, FUZHOU, FUJIAN

Date: 18 Jun, 2024

Attn: ELAINE NIAN

Sample description:

One (1) group of submitted sample said to be :

Item name : Kids storage shelf with 6 grey bins
Item No. : 311-070V80GY
Quantity : 1
Packaging provided by applicant : No
Goods exported to : EU & UK & US & CA
Country of origin : China
Children's Product : Yes

Tests Conducted:

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

Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted Sample	EN71-1: 2014+ A1: 2018 for Mechanical And Physical Properties Excluding Labelling Requirement of Clause 7 Warnings, markings and instructions for use	Pass (See remark1)
Submitted Sample	BS EN71-1 : 2014 + A1 : 2018 - Mechanical and physical properties Excluding labelling requirement of clause 7 Warnings, markings and instructions for use	Pass (See remark2)

Remark 1:

The submitted sample was examined not a toy and was not subjected to the scope of the European standard of toys EN71. However, as requested by the applicant, the submitted sample was assessed under the requirement of EN71.

Remark 2:

The submitted sample was examined not a toy and was not subjected to the scope of the British standard of toys BS EN71. However, as requested by the applicant, the submitted sample was assessed under the requirement of BS EN71.

To be continued

Authorized By:
Intertek Testing Services Ltd. Zhejiang



Bobo Yao
Assistant General Manager



Test Report

Number: SHAH01674992

Conclusion :

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted Sample	EN71-2: 2020 Flammability Test	Pass (See remark3)
Tested component of submitted sample / set	Canada Consumer Product Safety Act Toys Regulation SOR/2011-17 Section 27(3)(a)&(b) for accessible plastic material in toys for children under 3 years of age	Pass See Comment
Submitted Sample	BS EN71-2: 2020 Flammability Test	Pass (See remark4)
Tested component(s) of submitted sample(s)	EN 71-3:2019+A1:2021 on migration of certain elements	Pass / See Comment 2
Tested component of submitted sample	BS EN 71-3: 2019+A1:2021 on migration of certain elements	Pass / See Comment 3
Remark 3: The submitted sample was examined not a toy and was not subjected to the scope of the European standard of toys EN71. However, as requested by the applicant, the submitted sample was assessed under the requirement of EN71.		

Comment 1:

The testing scope of the following standard (Canada Consumer Product Safety Act Toys Regulation SOR/2011-17 Section 27(3)(a)&(b)) was not applicable to the submitted sample. However, the test results of the sample met the related requirements as stated in this report.

Remark 4:

The submitted sample was examined not a toy and was not subjected to the scope of the European standard of toys BS EN71. However, as requested by the applicant, the submitted sample was assessed under the requirement of BS EN71.

Comment 2: The testing scope of the following standard(s) was/were not applicable to the submitted samples. However, the test results of the samples met the related requirements as stated in this report.

The submitted samples were examined not toys and were not subjected to the scope of the European Standard of Toys EN 71. However, as requested by the applicant, the submitted samples were assessed under the requirement of EN 71 (Part 3), and the result met the requirement of the standard.

Comment 3:

The testing scope of the following standard(s) was/were not applicable to the submitted samples. However, the test results of the samples met the related requirements as stated in this report.

The submitted samples were examined not toys and were not subjected to the scope of the European Standard of Toys BS EN71. However, as requested by the applicant, the submitted samples were assessed under the requirement of BS EN71 (Part 3), and the result met the requirement of the standard.

To be continued

Authorized By:

Intertek Testing Services Ltd. Zhejiang



Bobo Yao
Assistant General Manager



Test Report

Number: SHAH01674992

Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted Sample	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138 - Mechanical and Physical test	Pass
Submitted Sample	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 section 21 with amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138 - Cellulose Nitrate and Celluloid	Pass
Submitted Sample	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with Amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138 Section 32 / 33 / 34 for Flammability Test	Not Applicable
Tested components of submitted samples	Canada Consumer Products Containing Lead Regulations SOR/2018-83	Pass
Tested component of submitted sample	Canada Consumer Product Safety Act surface coating materials regulation SOR/2016-193 for total Mercury content on surface coating materials	Not Applicable#
Tested Components of Submitted Samples	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 Section 23 and amendment SOR/2022-122 on toxic elements test	Pass See Comment 4
Tested Components of Submitted Sample	Phthalates content requirement in Canada Consumer Product Safety Act Phthalates Regulation SOR/2016-188	Pass See Comment 5
Tested Components of Submitted Sample	U.S. ASTM F963-23 for total Lead content in surface coating	Not Applicable

Comment 4: The testing scope of the following standard(s) was/were not applicable to the submitted sample(s) / tested component(s). However, the test result(s) of the sample(s) /tested component(s) met the related requirements as stated in this report.

Comment 5:

The testing scope of the standard (CCPSA) was not applicable to the submitted samples. However, the test results of submitted sample(s) / tested component(s) (1)(2)(3)(4) did not exceed the limits of the standard.

To be continued

Authorized By:
Intertek Testing Services Ltd. Zhejiang



Bobo Yao
Assistant General Manager



Test Report

Number: SHAH01674992

Conclusion:

<u>Tested component</u>	<u>Standard</u>	<u>Result</u>
Tested Components of Submitted Sample	U.S. ASTM F963-23 for total Lead content in non-surface coating materials	Pass See Comment 6
Tested component(s) of submitted sample(s)	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in non-surface coating materials (substrate)	Pass
submitted sample	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in surface coating	Not Applicable (See remark#)
Tested Component of Submitted Sample	US Consumer Product Safety Improvement Act 2008 Title I, Sec 108(a) & (b)(3) and US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass
Tested Component of Submitted Sample	ASTM F963-23 section 4.3.8 on Phthalates content	Pass See Comment 7
Submitted Sample	Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 Tracking Labels for Children Products	Pass
Submitted sample	Applicant's requirements - Product and Economic Operator Information	Pass

Comment 6:

The testing scope of the following standard (U.S. ASTM F963-23) was not applicable to the submitted samples. However, the test results of the samples met the related requirements as stated in this report.

Comment 7:

The testing scope of the standard was not applicable to the submitted samples. However, the test results of tested component(s) did not exceed the limits of the standard.

To be continued

Authorized By:
Intertek Testing Services Ltd. Zhejiang



Bobo Yao
Assistant General Manager



Test Report

Number: SHAH01674992

Conclusion:

Tested component
Submitted Sample

Standard

U.S. ASTM F963-23 Physical and Mechanical Tests.
Excluding: -5 Labelling requirement
-6 Instructional literature
-7 Producer's markings

Result

Pass
(See remark)

Submitted Sample

U.S. ASTM F963-23 Flammability Test of Materials
other than Textile Materials

Pass
(See remark)

Tested Components of Submitted
Sample

U.S. ASTM F963-23 for soluble elements content

Pass
See Comment 8

Remark:

The submitted sample was examined not a toy. However, as requested by the applicant, the submitted sample was assessed with reference to above requirements.

Comment 8:

The testing scope of the following standard (ASTM F963-23) was not applicable to the submitted samples. However, the test results of the samples met the related requirements as stated in this report.

To be continued

Authorized By:
Intertek Testing Services Ltd. Zhejiang



Bobo Yao
Assistant General Manager



Test Report

Number: SHAH01674992

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 3 years and up

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	P
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
5	Toys intended for Children under 36 Months	
5.1	General requirements	NA
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	NA
5.5	Liquid filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA



Test Report

Number: SHAH01674992

Tests Conducted

Clause	Testing Items	Assessment
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
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	#

Remark: P = Pass

NA = Not Applicable

= The testing scope of European standard on safety of toy EN71 was not applicable to the submitted samples. Therefore, the warning and other requirements specified in clause 7 did not apply.

Date Sample Received: Apr 03 , 2024

Testing Period: Apr 03 , 2024 to Apr 12 , 2024



Test Report

Number: SHAH01674992

Tests Conducted

2.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 3 years and up

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	P
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
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	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA



Test Report

Number: SHAH01674992

Tests Conducted

Clause	Testing items	Assessment
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
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	NA
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	#

Abbreviation: P = Pass

F = Fail

NA = Not Applicable

= The item examined is not a toy. Therefore, the warning and other requirements as specified in this clause do not apply.

Date Sample Received: Apr 03, 2024

Testing Period: Apr 03, 2024 to Apr 12, 2024



Test Report

Number: SHAH01674992

Tests Conducted

3.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: Apr 03 , 2024

Testing Period: Apr 03 , 2024 to Apr 12 , 2024

4.Toxic Elements Analysis

As per Canada Consumer Product Safety Act Toys Regulation SOR/2011-17 Section 27(3)(a)&(b), by acid digestion and extraction methods were used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

	<u>Result (mg/kg)</u>			<u>Limit (mg/kg)</u>
	(1)	(2)	(3)	
Tot. Lead (Pb)	<20	<20	<20	90
Sol. Barium (Ba)	<5	<5	<5	1000
Sol. Mercury (Hg)	<5	<5	<5	60
Sol. Cadmium (Cd)	<5	<5	<5	75
Sol. Antimony (Sb)	<5	<5	<5	60
Sol. Chromium (Cr)	<5	<5	<5	60
Sol. Selenium (Se)	<5	<5	<5	500
Sol. Arsenic (As)	<2.5	<2.5	<2.5	25

Remark:

Tot. = Total

Sol. = Soluble

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

Date Sample Received: Apr 03 , 2024

Testing Period: Apr 03 , 2024 to May 22 , 2024



Test Report

Number: SHAH01674992

Tests Conducted

5.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: Apr 03 , 2024

Testing Period: Apr 03 , 2024 to Apr 12 , 2024



Test Report

Number: SHAH01674992

Tests Conducted

6.19 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)	(7)		
Aluminium (Al)	ND	ND	ND	ND	933	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	13	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	5	17
Chromium (III) (Cr III)	ND	ND	ND	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	29	ND	93	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	7.8	ND	ND	2.5	180000
Organic tin ⁺⁺	ND	ND	ND	ND	ND Δ	ND	ND	5	12
Zinc (Zn)	ND	ND	ND	ND	ND	ND	ND	100	46000

Remark :

++ = 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)

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Dimethyl tin, Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetraethyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Trimethyl tin, Tri-n-octyl tin, Tri-cyclohexyl tin and Triphenyl tin after converted to Tributyl tin by calculation. Other Organic tin compounds may be also be present in sample as stated in EN 71-3:2019+A1:2021

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

(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).



Test Report

Number: SHAH01674992

Tests Conducted
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: Apr 03, 2024
Testing Period: Apr 03, 2024 to May 21, 2024

Note: the tested samples passed EN71-3 requirements for organic tin, however other organic tin compounds may also be present in the samples. The Toy Safety Directive (2009/48/EC) requirement covers total migratable organic tin.

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)	(7)	
Aluminium (Al)	< 300	< 300	< 300	< 300	933	< 300	< 300	28130
Antimony (Sb)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	560
Arsenic (As)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	47
Barium (Ba)	< 10	< 10	< 10	< 10	13	< 10	< 10	18750
Boron (B)	< 50	< 50	< 50	< 50	< 50	< 50	< 50	15000
Cadmium (Cd)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	17
Chromium (III) (Cr III) ++	< 10	< 10	< 10	< 10	< 10	< 10	< 10	460
Chromium (VI) (Cr VI) ++	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.053
Cobalt (Co)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	130
Copper (Cu)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	7700
Lead (Pb)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	23
Manganese (Mn)	< 10	< 10	< 10	< 10	29	< 10	93	15000
Mercury (Hg)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	94
Nickel (Ni)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	930
Selenium (Se)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	460
Strontium (Sr)	< 100	< 100	< 100	< 100	< 100	< 100	< 100	56000
Tin (Sn)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	180000
Organic tin ++	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0Δ	< 3.0	< 3.0	12
Zinc (Zn)	< 100	< 100	< 100	< 100	< 100	< 100	< 100	46000

Remark:

++ = 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.



Test Report

Number: SHAH01674992

Tests Conducted

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Dimethyl tin, Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Trimethyl tin, Tri-n-octyl tin, Tri-cyclohexyl tin and Triphenyl tin after converted to Tributyl tin by calculation. Other Organic tin compounds may be also be present in sample as stated in EN 71-3:2019+A1:2021

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

(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: Apr 03, 2024

Testing Period: Apr 03, 2024 to May 21, 2024

Note: the tested samples passed EN71-3 requirements for organic tin, however other organic tin compounds may also be present in the samples. The Toy Safety Directive (2009/48/EC) requirement covers total migratable organic tin.



Test Report

Number: SHAH01674992

Tests Conducted

8. Physical and Mechanical Test

Test Standard: Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138.

Applicant specified age group for testing: For ages 3 years and up

The submitted samples were undergone the use and abuse tests in accordance with Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138.

<u>Test</u>	<u>Parameter</u>
Pull test	42.5±2 N
Push test	42.5±2 N

No.	Testing Items	Assessment
3	General - English and French bilingual statement	NA
4	Packaging	
	(a) The opening perimeter is less than 14 inches	NA
	(b) The opening perimeter is more than 14 inches	NA
	<u>Electrical hazard</u>	
5	Electrically operated toys	NA
6	Electrically heated toys	NA
	<u>Mechanical hazard</u>	
7	Small parts	NA
8	Metal edges	P
9	Wire frames	NA
10	Plastic edges	P
11	Wooden surfaces, edges and corners	P
12	Glass	NA
13	Fasteners	P
14	Folding mechanism, bracket or bracing	NA
15	Spring-wound driving mechanisms	NA
16	Projectile components	NA
17	Toys which a child can enter and which can be closed by a lid or door	NA
18	Stationary toy that is intended to bear the weight of a child	NA
	<u>Auditory hazards</u>	
19	Noise limit	NA
	<u>Thermal hazards</u>	
20	Heated surfaces, parts or substances	NA
	<u>Dolls, plush toys and soft toys</u>	
28	Fastenings to attach parts, clothing or ornamentation	NA
29	Stuffing materials	
	(a) Clean and free from vermin	NA
	(b) Free from hard and sharp foreign matter	NA
30	Small parts -Squeaker, reed, valve or other similar device	NA
31	Eyes and noses	NA



Test Report

Number: SHAH01674992

Tests Conducted

No.	Testing Items	Assessment
	<u>Plant seeds</u>	
35	Plant seeds for making noise	NA
36	Plant seeds for stuffing material	NA
37	Shaft-like handle	NA
38	Toy steam engines boilers	NA
39	Finger paints	NA
40	Rattle	NA
41	Elastics	NA
42	Yo-yo type balls	
	(a) Stretchable cords	NA
	(b) Similar product	NA
43	Magnetic force	NA
44	Warning of magnetic toys	NA

Remark: P = Pass

NA = Not Applicable

Comment:

The scope of the standard was not applicable to the submitted samples. Testing was conducted with reference to the test method and requirements as stated.

Date Sample Received: Apr 03 , 2024

Testing Period: Apr 03 , 2024 to Apr 12 , 2024

9.Cellulose Nitrate and Celluloid

Test Standard: Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 section 21 with amendments SOR/2016-195, SOR/2016-302.and SOR/2018-138

	<u>Assessment</u>	<u>Requirement</u>
Cellulose Nitrate/Celluloid	Absent	Absent

Comment:

The scope of the standard was not applicable to the submitted samples. Testing was conducted with reference to the test method and requirements as stated.

Date Sample Received: Apr 03 , 2024

Testing Period: Apr 03 , 2024 to Apr 12 , 2024

10.Flammability Test

As per Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 with Amendments SOR/2016-195, SOR/2016-302 and SOR/2018-138 Section 32 / 33 / 34.

Date Sample Received: Apr 03 , 2024

Testing Period: Apr 03 , 2024 to Apr 12 , 2024



Test Report

Number: SHAH01674992

Tests Conducted

11.Total Lead (Pb) Content

As per methods C02.2, C02.3 and C02.4, acid digestion was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result (mg/kg)</u>	<u>Limit (mg/kg)</u>
(1)	ND	90
(2)	ND	90
(3)	ND	90
(4)	ND	90
(5)	ND	90
(7)	ND	90
(8)	ND	90

The above limit was quoted according to Canada Consumer Products Containing Lead Regulations SOR/2018-83.

Remark: Reporting Limit = 20 mg/kg
ND=Not Detected (Less than reporting limit)

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

Date Sample Received: Apr 03 , 2024
Testing Period: Apr 03 , 2024 to May 21 , 2024

12.Total Mercury (Hg) Content in Surface Coating

With reference to Canada Consumer Product Safety Act surface coating materials regulation SOR/2016-193, acid digestion method was used and total Mercury content was determined by Inductively Coupled Argon Plasma Spectrometry.

Result
Not Applicable

Remark: # = Since no scrapable surface coating was found on the submitted sample, the testing scope of Canada Consumer Product Safety Act surface coating materials regulation SOR/2016-193 was not applicable to the submitted sample.

Tested components: see component list in the last section of this report.

Date Sample Received: Apr 03 , 2024
Testing Period: Apr 03 , 2024 to May 21 , 2024



Test Report

Number: SHAH01674992

Tests Conducted

13.Toxic Elements Analysis (CCPSA SOR/2011-17 and Amendment SOR/2022-122)

With reference to Method C-02.2.1, C-07 published in Health Canada Product safety reference manual Book 5 - Laboratory Policies and Procedures Part B: Test Methods Section and Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, acid digestion and extraction methods were used and toxic elements content were determined by Inductively Coupled Plasma-mass Spectrometry and Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result(mg/kg)		Reporting Limit (mg/kg)	Limit (mg/kg)
	(4)	(5)		
Tot. Lead (Pb)	ND	ND	20	90
Tot. Mercury (Hg)	ND	ND	0.047	10
Sol. Cadmium (Cd)	ND	ND	5	1000
Sol. Antimony (Sb)	ND	ND	5	1000
Sol. Selenium (Se)	ND	ND	5	1000
Sol. Arsenic (As)	ND	ND	2.5	1000
Sol. Barium (Ba)	ND	9#	5	1000

The above limit was quoted according to Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 Section 23 and Amendment SOR/2022-122 for prohibition on toxic elements in stickers, films and surface coating materials.

Tot. = Total

Sol. = Soluble

ND = Not detected (less than reporting limit)

= The results were adjusted by subtracting analytical correction factor.

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

Date Sample Received: Apr 03 , 2024

Testing Period: Apr 03 , 2024 to May 21 , 2024

14.Phthalate Content Test

With reference to method CPSC-CH-C1001-09.3 and followed by solvent extraction and Gas Chromatography-Mass Spectrometry (GC-MS) analysis

Tested Compound	Result (mg/kg)				Limit(mg/kg) (Max.)
	(1)	(2)	(3)	(4)	
Di-butyl phthalate (DBP)	ND	ND	ND	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	1000
Di-iso-nonyl phthalate (DINP)	ND	ND	ND	ND	1000
Di-n-octyl phthalate (DNOP)	ND	ND	ND	ND	1000
Di-iso-decyl phthalate (DIDP)	ND	ND	ND	ND	1000

Remark: The above limit was quoted according to Canada Consumer Product Safety Act Phthalates Regulation SOR/2016-188 for phthalate content on toys and child care articles.

Detection Limit = 100mg/kg

ND = Not Detected

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



Test Report

Number: SHAH01674992

Tests Conducted

Date Sample Received: Apr 03 , 2024
Testing Period: Apr 03 , 2024 to May 17 , 2024

15.Total Lead (Pb) Content for Surface Coating

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-23, test method CPSC-CH-E1003-09.1 was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result in ppm	Reporting Limit (ppm)	Limit (ppm)
	Not Applicable	20	90
Lead(Pb)			

Assessment: Since no scrapable surface coating was found on the submitted sample, the testing scope was not applicable to the submitted sample.

Date Sample Received: Apr 03 , 2024
Testing Period: Apr 03 , 2024 to May 24 , 2024

16.Total Lead (Pb) Content for Non-surface Coating

As per section 4.3.5 of the ASTM standard consumer safety specification on toy safety F963-23, test method CPSC-CH-E1001-08.3 or/and CPSC-CH-E1002-08.3, was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result in ppm							Reporting Limit (ppm)	Limit (ppm)
	(1)	(2)	(3)	(4)	(5)	(7)	(8)		
Lead(Pb)	ND	ND	ND	ND	ND	ND	ND	20	100

Remark: ppm = parts per million = mg/kg
ND= Not detected (Less than reporting limit)

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

Date Sample Received: Apr 03 , 2024
Testing Period: Apr 03 , 2024 to May 24 , 2024



Test Report

Number: SHAH01674992

Tests Conducted

17.Total Lead (Pb) Content In Non-Surface Coating Materials (Substrate)

As per standard operating procedures for determining total Lead (Pb) in children's products, test method(s) CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 was/were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Components</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(1)	ND	100
(2)	ND	100
(3)	ND	100
(4)	ND	100
(5)	ND	100
(7)	ND	100
(8)	ND	100

The limit was quoted according to U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in non-surface coating materials (substrate).

Remark :ppm= parts per million = mg/kg

Detection Limit = 20 mg/kg

ND=Not Detected

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

Date Sample Received: Apr 03 , 2024

Testing Period: Apr 03 , 2024 to May 24 , 2024

18.Total Lead (Pb) Content in Surface Coating

As per standard operating procedure for determining Lead (Pb) in paint and other similar surface coatings (April 26, 2009), test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Result
Not Applicable

Remark:

#: Since no scrapable surface coating was found on the submitted sample(s), the testing scope of standard was not applicable to the submitted sample(s).

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

Date Sample Received: Apr 03 , 2024

Testing Period: Apr 03 , 2024 to May 24 , 2024



Test Report

Number: SHAH01674992

Tests Conducted

19. Phthalate Content

With reference to CPSC-CH-C1001-09.4, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

<u>Test item</u>	<u>Result (%)</u>						<u>Limit (%) (Max.)</u>
	(1)	(2)	(3)	(4)	(5)	(7)	
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	ND	ND	0.1

The above limit was quoted according to 16 CFR part 1307 approved by U.S. Consumer Product Safety Commission (CPSC) for prohibition of children's toys and child care articles containing specified phthalates.

Remark: ND = Not Detected

Detection Limit = 0.01%

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

Date Sample Received: Apr 03, 2024

Testing Period: Apr 03, 2024 to May 27, 2024

20. Phthalates Content (ASTM F963-23)

With reference to CPSC-CH-C1001-09.4, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

<u>Test item</u>	<u>Result (%)</u>						<u>Detection Limit (%)</u>	<u>Limit (%) (Max.)</u>
	(1)	(2)	(3)	(4)	(5)	(7)		
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	0.01	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	ND	ND	ND	ND	ND	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	0.01	0.1
Diisononyl phthalate (DINP)	ND	ND	ND	ND	ND	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	ND	0.01	0.1
Di-n-pentyl phthalate (DPENP)	ND	ND	ND	ND	ND	ND	0.01	0.1
Di-n-hexyl phthalate (DHEXP)	ND	ND	ND	ND	ND	ND	0.01	0.1
Dicyclohexyl phthalate (DCHP)	ND	ND	ND	ND	ND	ND	0.01	0.1

Remark: ND = Not Detected(Less than detection limit)

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

Date Sample Received: Apr 03, 2024

Testing Period: Apr 03, 2024 to May 27, 2024



Test Report

Number: SHAH01674992

Tests Conducted

21. Physical and Mechanical Tests

Test standard: ASTM Standard Consumer Safety Specification for Toy Safety F963-23.

Applicant's specified age group for testing: For ages 3 years and up

The submitted samples were undergone the use and abuse tests in accordance with The Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations:

<u>Test</u>	<u>FHSA</u>	<u>Parameter</u>
Torque test	Section 1500.53(e)	4 in-lbf
Tension test	Section 1500.53(f)	15 lbf
Compression test	Section 1500.53(g)	30 lbf

The submitted samples were undergone the tests in accordance with section 8.5 through section 8.16 and 8.20 through 8.30 on normal use, abuse and specific tests for different types of toys whichever is applicable.

Section	Requirement	Result
4.1	Material Quality (Visual check on cleanliness)	P
4.5	Sound-producing toys	NA
4.6.1	Toys intended for children under 36 months (Small objects)	NA
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games for children at least 36 months but less than 72 months (Small part warning)	NA
4.7	Accessible edges	P
4.8	Projections	NA
4.9	Accessible points	P
4.10	Wires or rods	NA
4.11	Nails and fasteners	P
4.12	Plastic film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords, straps, and elastics	NA
4.15	Stability and over-load requirements	P
4.16	Confined spaces	NA
4.17	Wheels, tires and axles	NA
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices (such as helmets, hats and goggles)	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA
4.23	Rattles	NA



Test Report

Number: SHAH01674992

Tests Conducted

Section	Requirement	Result
4.24	Squeeze toys	NA
4.25	Battery-operated toys	NA
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag-type toys	NA
4.28	Stroller and carriage toys	NA
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.31	Balloons	NA
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-shaped objects	NA
4.37	Yoyo elastic tether toys	NA
4.38	Magnets	NA
4.39	Jaw entrapment in handles and steering wheels	NA
4.40	Expanding materials	NA
4.41	Toy chests	NA
5	Labelling requirement	#
6	Instructional literature	#
7	Producer's markings	#

Abbreviation: P = Pass NA= Not Applicable

Remark:

#=The item examined is not a toy. Therefore, the requirement of section 5, 6 and 7 were not assessed.

Date sample received: Apr 03 , 2024

Testing period: Apr 03 , 2024 to May 24, 2024

22.Flammability Test

Test requirement: Section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, the sample was tested according to Annex A5 Flammability Testing Procedure for Solids and Soft Toys.

Result: Ignited but self-extinguished before burn rate could be determined.

Date sample received: Apr 03 , 2024

Testing period: Apr 03 , 2024 to May 24, 2024



Test Report

Number: SHAH01674992

Tests Conducted

23.Soluble Elements Analysis (ASTM F963-23)

As per section 4.3.5.1(2) and 4.3.5.2(2)(b) of the ASTM standard consumer safety specification on toy safety F963-23, acid extraction method was used and heavy metal elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result (mg/kg)							Reporting Limit (mg/kg)	Limit (mg/kg)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)		
Sol. Barium (Ba)	ND	ND	ND	ND	9#	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	ND	ND	ND	2.5	25

Remark: Sol. = Soluble

ND= Not detected (Less than reporting limit)

= The analytical results were adjusted by subtracting analytical correction factor.

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

Date sample received: Apr 03 , 2024

Testing period: Apr 03 , 2024 to May 24, 2024

23.Tracking Label Assessment

As per Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 Tracking Labels For Children Products.

Tracking Label Found on the Packaging:

BATCH NO. (24R1364)

Imported by Aosom LLC

Manufactured in Ningbo City, Zhejiang Province, China

MFD (042024)

Tracking Label Found on the Product:

BATCH NO. (24R1364)

Imported by Aosom LLC

Manufactured in Ningbo City, Zhejiang Province, China

MFD (042024)

Note: The tracking label assessment was based on the submitted sample and the information provided by the applicant. There was no verification on the validity of such information.

Date sample received: Jun 11, 2024

Testing period: Jun 11, 2024 to Jun 14, 2024



Test Report

Number: SHAH01674992

Tests Conducted

24.As requested by the applicant, the submitted samples were subjected to the following test:

Sample description: Kids storage shelf with 6 grey bins

Initial inspection: No any damage was found.

Sample quantity: One (1) Piece

Executive summary:

Test Item	Test Method	Test Requirement	Test Result	Rating
† Product and Economic Operator Information	Regulation (EU) 2023/988 (GPSR)	The following information shall be placed on the product or, where that is not possible, on its packaging or in a document accompanying the product: - Product identification (e.g. type, batch or serial number) - Economic operator's name, trade name or trade mark - Economic operator's postal and electronic address The product shall be accompanied by clear instructions and safety information in a language easily understood by consumers as applicable.	Meet	Pass

Date of Sample Received: Jun. 05, 2024

Test Period: Jun. 05, 2024 to Jun. 06, 2024

Tested components:

- (1) Grey plastic(box)
- (2) White plastic(shelf)
- (3) White soft plastic(covered edge)
- (4) White melamine sticker
- (5) White paper sticker
- (6) White webbing
- (7) Particle board
- (8) Silvery metal(screw/washer/fastener)



Test Report

Number: SHAH01674992

Tests Conducted



Picture 1: Submitted sample

End of report

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct.

This report shall not be reproduced except in full, without written approval of the laboratory.

