

Test Report

Number: GZHH00629892

Applicant: 52TOYS DEVELOPMENT CO., LTD.
ROOM D01, 4F YISHA CULTURE CENTER,
CHAOYANG DISTRICT,BEIJING, CHINA

Date: Jan 30, 2026

Sample Description:

Five (5) sets of submitted sample said to be :

Item Name : **Lilith FORBIDDEN COVENANT**
Item No. : **26CB403LLQY**
Labelled Age Group : **15 & UP**
Appropriate Age Grading for : **Over 1 year**
Testing
Packaging Provided by : **Yes**
Applicant
Country of Origin : **China**
Date Sample Received : **Jan 05, 2026 & Jan 22, 2026**
Testing Period : **Jan 05, 2026 ~ Jan 29, 2026**

Tests conducted:

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

Conclusion:

Tested sample	Standard/Testing Item	Result
Submitted sample(s)	U.S. ASTM F963-23 on Physical and mechanical tests.	Pass
	U.S. ASTM F963-23 on Flammability test of materials other than textile materials	Pass
Tested component(s) of submitted sample(s)	U.S. ASTM F963-23 Section 4.3.5.1 on soluble heavy elements test in surface coating	Pass
	U.S. ASTM F963-23 Section 4.3.5.2 on soluble heavy elements test in substrate	Pass
	U.S. ASTM F963-23 Section 4.3.5.2 on total Lead content in substrate	Pass
	U.S. ASTM F963-23 Section 4.3.5.1 on total Lead content in surface coating	Pass
	U.S. ASTM F963-23 Section 4.3.5.2 on soluble Cadmium content test	Not Applicable

To be continued



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Conclusion:

<u>Tested sample</u> Submitted sample(s)	<u>Standard - U.S. CFR Title 16 (CPSC Regulations)</u> Physical and mechanical tests	<u>Result</u> Pass
	Part 1500.3(C)(6)(vi) flammability test on rigid and pliable solids	Pass
Tested component(s) of submitted sample(s)	<u>Standard/Testing Item</u> U.S. 16 CFR Part 1303 total Lead content	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101(15 USC 1278a) for total Lead content in surface coating	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101(15 USC 1278a) for Total Lead content in substrate	Pass
	Consent Judgment No. RG-356892 for Toys on total Lead content based on the California Proposition 65	Pass
	Consent Judgment No. BG-350969 for Toys on phthalate content based on the California Proposition 65	Pass
	Di-iso-nonyl phthalate (DINP) content based on the California Proposition 65	See test conducted
	U.S. ASTM F963-23 Section 4.3.8 on Phthalate content	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I, Sec 108(a) & (b)(3) and U.S. 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass
	California Health and Safety Code, Part 3 of Division 104, Chapter 11 requirement on phthalate (AB 1108)	Pass#

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Conclusion:

<u>Tested sample</u> Submitted sample(s)	<u>Standard/Testing Item</u>	<u>Result</u>
	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 for mechanical and physical test	Pass
	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 Section 21	Pass
Tested component(s) of submitted sample(s)	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 and Amendment SOR/2022-122 Section 23 on toxic elements test	Pass#
	Canada Consumer Products Containing Lead Regulations SOR/2018-83	Pass
	Canada Consumer Product Safety Act Phthalates Regulations SOR/2016-188 on phthalate content	Pass
Submitted sample(s)	EN71-1:2014+A1:2018 for mechanical and physical properties	Pass
	EN 71-2: 2020 Flammability test	Pass
	BS EN71-1:2014+A1:2018 for mechanical and physical properties	Pass
	BS EN 71-2: 2020 Flammability test	Pass
Tested component(s) of submitted sample(s)	EN 71-3:2019+A1:2021 on Migration of Certain Elements	Pass
	EN 71-3:2019+A2:2024 on Migration of Certain Elements	Pass
	BS EN 71-3:2019+A1:2021 on Migration of Certain Elements	Pass
	BS EN 71-3:2019+A2:2024 on Migration of Certain Elements	Pass
	EU REACH Regulation (EC) No 1907/2006 and its Amendment(s) including (EU) 2016/217 Annex XVII Entry 23 on Cadmium (Cd) Content	Pass
	Organotin Content Requirement in Annex XVII Entry 20 of the REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009 and (EU) No 276/2010	Pass#

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Conclusion:

<u>Tested sample</u>	<u>Standard/Testing Item/Requirement</u>	<u>Result</u>
Tested component(s) of submitted sample(s)	EU REACH Regulation (EC) No 1907/2006 and its Amendment(s) including (EU) 2018/2005 Annex XVII Entries 51 and 52 on Phthalates Content	Pass
	EU REACH Regulation (EC) No 1907/2006 and its Amendment(s) including (EU) No 1272/2013 Annex XVII Entry 50 on Polycyclic Aromatic Hydrocarbons (PAHs) Content	Pass
Submitted sample(s)	International standard ISO 8124-1:2022 - safety aspects related to mechanical and physical properties	Pass
	International Standard on Safety of Toys ISO 8124-2: 2023 Flammability Test	Pass
Tested component(s) of submitted sample(s)	ISO 8124-3:2020+Amd.1:2023 on migration of certain elements	Pass
Submitted sample(s)	Australian / New Zealand Standard AS/NZS ISO 8124.1: 2023 Safety aspects related to mechanical and physical properties	Pass
	Australian Consumer Goods (Toys for Children up to and including 36 Months of Age) Safety Standard 2023	Pass
	New Zealand Product Safety Standards (Children's Toys) Regulations 2005	Pass#
	Australian / New Zealand Standard on Safety of Toys AS/NZS ISO 8124.2:2023 flammability test	Pass
Tested component(s) of submitted sample(s)	AS/NZS ISO 8124.3:2021+Amd 1:2023 on Migration of Certain Elements from Any Toy Materials Except Modelling Clays and Putties, Finger Paints and Slimes	Pass
	AS/NZS ISO 8124.3:2003 for toxic elements test (Australian Trade Practices Act 1974 with Consumer Protection Notice No. 1 of 2009 - Consumer Product Safety Standard for Lead and Certain Elements in Children's Toys)	Pass#
	EU Toy Safety Directive 2009/48/EC (TSD) and its Amendment(s) including (EU) 2019/1929 Annex II Appendix C on Formaldehyde	Pass

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: This test in the report is not in the CNAS accredited testing scope.

Approved:

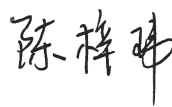


Parco Leung

Technical Assistant Manager



Approved:



Kivi Chen

Sr. Engineer

Should you have any query on this report, please click the link below:

https://verifyindex.intertek.com.cn/home/index?id=hl_report_verify



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Tests Conducted

1 Label Review

Summary:

Evaluation	Citation / Method	Criteria	Results
Fair Packaging and Labeling Act / Uniform Packaging and Labeling Regulations	16 CFR 500/NIST Handbook 130 Part IV A	[Packaging and Labeling Evaluation] - Shall be labeled with product identification. - Shall be labeled with the manufacturer, packer, or distributor's name and address (city, state and ZIP). - Net quantity of contents shall be on PDP and be expressed in terms of weight or mass, measure, numerical count, or combination so as to give accurate information to facilitate consumer comparison. (US and metric units). - Consumable commodities sold with the product, such as glues and adhesives, shall comply with the labelling requirements of 16 CFR 500.	P/#

Abbreviation: P = Pass

= Test item of labelling assessment in this report was not included in the CNAS accreditation schedule for our laboratory.

2 Tracking Label Assessment

As per consumer product safety Act section 14(a) (5), 15 U.S.C. §2063(a)(5) (CPSA) and Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 Tracking Labels for Children Products

Tracking label found on the packaging:

Name of manufacturer / importer / private labeler:	Guizhou Qianfan Woolen Art co.. Ltd.
Location of production:	No.12, 1st to 5th Floor, standard Factory Building, Phase I, Economic Development Zone, longgao Sub-district tao Miao Autonomous County, Tongren City, Guizhou Province, China
Date code:	6B1

Tracking label found on the product:

Name of manufacturer / importer / private labeler:	52TOYS
Location of production:	Tongren, Guizhou, CHINA
Date code:	6B1

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.



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Tests Conducted

3 Physical and Mechanical Tests

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

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 :

Test	FHSA	Parameter
Drop test	Section 1500.51(b)	10X 4.5 ft
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

Section	Testing Items	Assessment
4.1	Material quality (visual check on cleanliness)	P
4.3.7	Stuffing materials(10X magnification check on contaminations)	P
4.5	Sound-producing toys	NA
4.6.1	Toys intended for children under 36 months (small objects)	P
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games for 36 months to 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	P
4.15	Stability and over-load requirements	NA
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
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	P
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



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Section	Testing Items	Assessment
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	
	-Tracking label	P/#
	-Safety labelling	P
6	Instructional literature	P
7	Producer's markings	
7.1	- Name of producer/distributor (Toy and Package)	Yes
	- Address (Toy and Package)	Yes
7.2	Battery powered ride on toys	NA
7.3	Toy chests	NA
7.3.1	Name and address of manufacturer/distributor/seller	NA
7.3.2	Code mark	NA
7.3.3	Model number	NA

Remark : The submitted samples were undergone the tests in accordance with section 8.5 through section 8.18 and 8.20 through 8.26 on normal use, abuse and specific tests for different types of toys whichever is applicable.

Abbreviation: P = Pass NA = Not Applicable

= The results of section 5.1.2 for tracking label was referred to the correspondence test item.

4 **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.

Sample	Ignition Point	Burn Length (inch)	Time (sec)	Burn Rate (inch/sec)	Limit (inch/sec)
Crimson doll	End	0.8	60.00	0.01	0.1

The submitted toy samples were tested, the above result only showed the most severe burn rate of the samples.



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5 Heavy Elements Analysis in Surface Coating (U.S. ASTM F963-23 Section 4.3.5.1)

As per Section 4.3.5 and Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, heavy elements migration content were determined by Inductively Coupled Plasma - Optical Emission Spectrometry.

Element	Result (ppm)	Detection Limit (ppm)	Limit (ppm)
	Tested component		
	(1)to(7), (15), (17)		
Sol. Barium (Ba)	ND	5	1000
Sol. Lead (Pb)	ND	5	90
Sol. Cadmium (Cd)	ND	5	75
Sol. Antimony (Sb)	ND	5	60
Sol. Selenium (Se)	ND	5	500
Sol. Chromium (Cr)	ND	5	60
Sol. Mercury (Hg)	ND	5	60
Sol. Arsenic (As)	ND	2.5	25

Sol. = Soluble

ppm = part per million = mg/kg

ND = Not detected (less than detection limit)

= The results were adjusted by subtracting analytical correction factor.

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

6 Heavy Elements Analysis in Substrate (Except modelling clay) (U.S. ASTM F963-23 Section 4.3.5.2)

As per Section 4.3.5 and Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, heavy elements migration content were determined by Inductively Coupled Plasma - Optical Emission Spectrometry.

Element	Result (ppm)				Detection Limit (ppm)	Limit (ppm)
	Tested component					
	(62)	(68)	(70)	(86)		
Sol. Barium (Ba)	ND [#]	ND	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND [#]	ND [#]	ND [#]	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	2.5	25



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Element	Result (ppm)				Detection Limit (ppm)	Limit (ppm)
	Tested component					
	(83)	(84)	(103)	(115)		
Sol. Barium (Ba)	15 [#]	14 [#]	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND [#]	ND [#]	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	2.5	25

Element	Result (ppm)	Detection Limit (ppm)	Limit (ppm)
	Tested component		
	(54)to(61), (63)to(67), (69), (71)to(82), (85), (87)to(102), (104), (105), (111)to(114)		
Sol. Barium (Ba)	ND	5	1000
Sol. Lead (Pb)	ND	5	90
Sol. Cadmium (Cd)	ND	5	75
Sol. Antimony (Sb)	ND	5	60
Sol. Selenium (Se)	ND	5	500
Sol. Chromium (Cr)	ND	5	60
Sol. Mercury (Hg)	ND	5	60
Sol. Arsenic (As)	ND	2.5	25

Sol. = Soluble

ppm = part per million = mg/kg

ND = Not detected (less than detection limit)

= The results were adjusted by subtracting analytical correction factor.

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

7 **Total Lead (Pb) Content in Substrate (U.S. ASTM F963-23 Section 4.3.5.2)**

With reference to 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 were used and total Lead content was determined by Inductively Coupled Plasma - Optical Emission Spectrometry and/or Atomic Absorption Spectrometry.

Element	Result (ppm)	Detection Limit (ppm)	Limit (ppm)
	Tested Component		
	(54+55+57), (56+59), (58+60), (61+62), (63), (106+107+108), (109+110), (111+112), (114)		
Lead (Pb)	ND	10	100

ppm = part per million = mg/kg

ND = Not detected (less than detection limit)

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



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Tests Conducted

8 Total Lead (Pb) Content in Surface Coating (U.S. ASTM F963-23 Section 4.3.5.1)

With reference to Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Plasma - Optical Emission Spectrometry.

Element	Result (ppm)	Detection Limit (ppm)	Limit (ppm)
	Tested Component		
	(17), (18+19+27), (20+21+22), (23+24+25), (26+29+30), (28+33+34), (31+32+35), (36+37+40), (38+39+42), (41+43+44), (45+47), (48+49+50), (51+52), (53), (150)		
Lead (Pb)	ND	10	90

ppm = part per million = mg/kg

ND = Not detected (less than detection limit)

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

9 Soluble Cadmium (Cd) content in Metal (small parts) (U.S. ASTM F963-23 Section 4.3.5.2)

As per Section 4.3.5.2(2)(d) and 8.3.5.5(3) of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, test method CPSC-CH-E1004-11 was used and soluble cadmium content was determined by Inductively Coupled Plasma - Optical Emission Spectrometry.

Assessment: As no metallic toys or metallic toy components which are small parts were found in the submitted samples, no soluble Cadmium testing has been performed for U.S. ASTM F963-23 on soluble Cadmium content.

10 Physical and Mechanical Tests

As per U.S. Code of Federal Regulations Title 16 part 1500.50, the hazards of sharp points, sharp edge and small parts are assessed both before and after applicable use and abuse tests.

	No. of sample tested	Sharp Point (1500.48)	Sharp Edge (1500.49)	Small Part (1501)
As received	2	P	P	P
Impact test (1500.51(b))	1	P	P	P
Flexure test (1500.53(d))	0	NA	NA	NA
Torque test (1500.53(e))	1	P	P	P
Tension test (1500.53(f))	1	P	P	P
Compression test (1500.53(g))	1	P	P	P

Remark: P = Pass NA = Not Applicable



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11 Flammability test

As per U.S. Code of Federal Regulations Title 16 Part 1500.44 for rigid and pliable solids

<u>Sample</u>	<u>Ignition Point</u>	<u>Burn Length</u> (inch)	<u>Time</u> (sec)	<u>Burn Rate</u> (inch/sec)	<u>Limit</u> (inch/sec)
Crimson doll	End	0.8	60.00	0.01	0.1

The submitted toy samples were tested, the above result only showed the most severe burn rate of the samples.

12 Total Lead (Pb) Content in Surface Coating (U.S. 16 CFR Part 1303 and CPSIA Section 101(15 USC 1278a))

As per Standard Operating Procedure for Determining Lead (Pb) in paint and other similar surface coatings, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Plasma - Optical Emission Spectrometry.

<u>Element</u>	<u>Result (mg/kg)</u>	<u>Detection Limit</u> (mg/kg)	<u>Limit</u> (mg/kg)
	<u>Tested Component</u>		
	(17), (18+19+27), (20+21+22), (23+24+25), (26+29+30), (28+33+34), (31+32+35), (36+37+40), (38+39+42), (41+43+44), (45+47), (48+49+50), (51+52), (53), (150)		
Lead (Pb)	ND	10	90

The above limit was quoted according to U.S. 16 CFR Part 1303 and U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101(15 USC 1278a) for total Lead content in surface coating.

ppm = parts per million = mg/kg

ND = Not detected (less than detection limit)

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



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Tests Conducted

13 Total Lead (Pb) Content in Substrate (U.S. CPSIA Section 101(15 USC 1278a))

As per Standard Operating Procedures for Determining total Lead (Pb) in children's products, test methods CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 were used and total Lead content was determined by Inductively Coupled Plasma - Optical Emission Spectrometry and/or Atomic Absorption Spectrometry.

Element	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(54+55+57), (56+59), (58+60), (61+62), (63), (106+107+108), (109+110), (111+112), (114)		
Lead (Pb)	ND	10	100

The above limit was quoted according to U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101(15 USC 1278a) for total Lead content in substrate.

ppm = parts per million = mg/kg
ND = Not detected (less than detection limit)

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

14 Total Lead Content (California Proposition 65 – Toys)

With reference to CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001.08.3 and/or CPSC-CH-E1003-09.1 and followed by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(17), (18+19+27), (20+21+22), (23+24+25), (26+29+30), (28+33+34), (31+32+35), (36+37+40), (38+39+42), (41+43+44), (45+47), (48+49+50), (51+52), (53), (150)		
Lead (Pb)	ND	10	90

Element	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(54+55+57), (56+59), (58+60), (61+62), (63), (106+107+108), (109+110), (111+112), (114)		
Lead (Pb)	ND	10	100

The above limit was quoted from the Consent Judgment No. RG-356892 settled by superior court of the State of California for the county of Alameda, for Toys based on the California Proposition 65.

ND = Not detected (less than detection limit)

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



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15 Phthalate Content (California Proposition 65 – Toys)

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

Test item	Result (%)	Detection Limit (%)	Limit (%)
	Tested component		
	(18+19+27), (28+33+34), (36+37+40), (41+43+44), (48+49+50), (20+21+22), (23+24+25), (26+29+30), (31+32+35), (38+39+42), (45+47), (51+52), (54+55+56), (57+59+60), (17), (62), (61), (58), (53), (150)		
Dibutyl phthalate (DBP)	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	ND	0.01	0.1
Di-iso-decyl phthalate (DIDP)	ND	0.01	0.1
Di-n-hexyl phthalate (DnHP)	ND	0.01	0.1

The above limit was quoted from the Consent Judgment No. BG-350969 settled by superior court of the state of California for the county of Alameda, for Toys based on the California Proposition 65.

ND = Not detected (less than detection limit)

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

16 Di-iso-nonyl phthalate (DINP) Content (California Proposition 65)

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

Test item	Result (%)	Reporting limit (%)	Limit (%)
	Tested component		
	(18+19+27), (28+33+34), (36+37+40), (41+43+44), (48+49+50), (20+21+22), (23+24+25), (26+29+30), (31+32+35), (38+39+42), (45+47), (51+52), (54+55+56), (57+59+60), (17), (62), (61), (58), (53), (150)		
Di-iso-nonyl phthalate (DINP)	ND	0.01	--

ND = Not detected (less than reporting limit)

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



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Tests Conducted

17 Phthalate Content (U.S. ASTM F963-23 Section 4.3.8)

As per Section 4.3.8 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, test method CPSC-CH-C1001-09.4 was used and followed by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

<u>Test item</u>	<u>CAS No.</u>	Result (%)	<u>Detection limit (%)</u>	<u>Limit (%)</u>
		Tested component		
		(18+19+27), (28+33+34), (36+37+40), (41+43+44), (48+49+50), (20+21+22), (23+24+25), (26+29+30), (31+32+35), (38+39+42), (45+47), (51+52), (54+55+56), (57+59+60), (17), (62), (61), (58), (53), (150)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.01	0.1
Di-n-pentyl Phthalate (DPENP)	131-18-0	ND	0.01	0.1
Di-n-hexyl Phthalate (DHEXP)	84-75-3	ND	0.01	0.1
Dicyclohexyl Phthalate (DCHP)	84-61-7	ND	0.01	0.1

ND = Not detected (less than detection limit)

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



Test Report

Number: GZHH00629892

Tests Conducted

18 Phthalate Content (U.S. CPSIA Section 108(a) & (b)(3) and U.S. 16 CFR Part 1307)

As per CPSC-CH-C1001-09.4, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	CAS No.	Result (%)	Detection limit (%)	Limit (%)
		Tested component (18+19+27), (28+33+34), (36+37+40), (41+43+44), (48+49+50), (20+21+22), (23+24+25), (26+29+30), (31+32+35), (38+39+42), (45+47), (51+52), (54+55+56), (57+59+60), (17), (62), (61), (58), (53), (150)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.01	0.1
Di-n-pentyl Phthalate (DPENP)	131-18-0	ND	0.01	0.1
Di-n-hexyl Phthalate (DHEXP)	84-75-3	ND	0.01	0.1
Dicyclohexyl Phthalate (DCHP)	84-61-7	ND	0.01	0.1

The above limit was quoted according to U.S. Consumer Product Safety Improvement Act 2008 Title I, Sec 108(a) & (b)(3) and U.S. 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates.

ND = Not detected(less than detection limit)

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



Test Report

Number: GZHH00629892

Tests Conducted

19 Phthalate Content

With reference to CPSC-CH-C1001-09.3, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

For 3 phthalate

Test item	CAS No.	Result (%)	Reporting Limit (%)	Limit (%)
		Tested component		
		(111+112), (116+117+118), (119+120+121), (123+124+125), (126+127+128), (129+130+131), (132+133+134), (135+136+122), (114), (137)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.01	0.1

For 6 phthalate

Test item	CAS No.	Result (%)	Reporting Limit (%)	Limit (%)
		Tested component		
		(18+19+27), (28+33+34), (36+37+40), (41+43+44), (48+49+50), (20+21+22), (23+24+25), (26+29+30), (31+32+35), (38+39+42), (45+47), (51+52), (54+55+56), (57+59+60), (17), (62), (61), (58), (53), (150)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.01	0.1
Di-iso-nonyl phthalate(DINP)	28553-12-0/ 68515-48-0	ND	0.01	0.1
Di-n-octyl phthalate (DNOP)	117-84-0	ND	0.01	0.1
Di-iso-decyl phthalate (DIDP)	26761-40-0/ 68515-49-1	ND	0.01	0.1

The above limit was quoted according to California Health and Safety Code, Part 3 of Division 104, Chapter 11 (AB 1108) prohibiting the sales of toys and child care articles made with phthalate.

ND = Not detected (less than reporting limit)

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



Test Report

Number: GZHH00629892

Tests Conducted

20 Physical and Mechanical Tests

As per Canada Consumer Product Safety Act Toys Regulations SOR/2011-17:

The submitted samples were undergone the use and abuse tests in accordance with the Canada Consumer Product Safety Act Toys Regulations SOR/2011-17:	
<u>Test</u>	<u>Parameter</u>
Drop test	4 X 1.372 m
Pull test	44.5 N
Push test	44.5 N

No.	Testing Items	Assessment
3	General - English and French bilingual statement	NA
	Packaging	
4	(a) The opening perimeter is less than 14 inches	NA
	(b) The opening perimeter is more than 14 inches	NA
	Electrical hazard	
5	Electrically operated toys	NA
6	Electrically heated toys	NA
	Mechanical hazard	
7	Small parts	P
8	Metal edges	P
9	Wire frames	P
10	Plastic edges	P
11	Wooden surfaces, edges and corners	NA
12	Glass	NA
13	Fasteners	NA
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
	Auditory hazards	
19	Noise limit	NA
	Thermal hazards	
20	Heated surfaces, parts or substances	NA
	Dolls, plush toys and soft toys	
28	Fastenings to attach parts, clothing or ornamentation	P
	Stuffing materials	
29	(a) Clean and free from vermin	P
	(b) Free from hard and sharp foreign matter	P
30	Small parts -Squeaker, reed, valve or other similar device	NA
31	Eyes and noses	NA
	Plant seeds	
35	Plant seeds for making noise	NA
36	Plant seeds for stuffing material	P



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Number: GZHH00629892

Tests Conducted

No.	Testing Items	Assessment
37	Pull and push toys that has a shaft-like handle	NA
38	Toy steam engines boilers	NA
40	Rattle	NA
41	Elastics	NA
	Yo-yo type balls	
42	(a) Stretchable cords	NA
	(b) Similar product	NA
43	Magnetic force	NA
44	(1) Exceptions of 44 (1)(a)	NA
	Exceptions of 44 (1)(b)	NA
	(2) Warning – Container and instructions or use for 44 (1)(b)	NA

Remark: P = Pass NA = Not Applicable

21 Cellulose Nitrate and Celluloid

Test Standard: As per Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 Section 21

	Assessment	Requirement
Cellulose Nitrate/Celluloid	Absent	Absent

22 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, acid digestion method was used and toxic elements content were determined by Inductively Coupled Plasma-mass Spectrometry.

Element	Result	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested component (17), (18+19+27), (20+21+22), (23+24+25), (26+29+30), (28+33+34), (31+32+35), (36+37+40), (38+39+42), (41+43+44), (45+47), (48+49+50), (51+52), (53), (150)		
Tot. Lead (Pb)	ND	10	90
Tot. Mercury (Hg)	ND	0.047	10



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Tests Conducted

With reference to Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23, extraction method was used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested component		
	(1)to(7), (15), (17)		
Sol. Cadmium (Cd)	ND	5	1000
Sol. Antimony (Sb)	ND	5	1000
Sol. Selenium (Se)	ND	5	1000
Sol. Arsenic (As)	ND	2.5	1000
Sol. Barium (Ba)	ND	5	1000

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

Tot. = Total

Sol. = Soluble

ND = Not detected (less than detection limit)

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

23 Total Lead (Pb) content (CCPSA SOR/2018-83)

As per Method C-02.2.2 (Effective 2020-01-23), C-02.3.2 (Effective 2021-02-22), C-02.4.1 (Effective 2019-03-15), published in Health Canada Product safety reference manual Book 5 - Laboratory Policies and Procedures Part B: Test Methods Section, acid digestion was used and Total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(17), (18+19+27), (20+21+22), (23+24+25), (26+29+30), (28+33+34), (31+32+35), (36+37+40), (38+39+42), (41+43+44), (45+47), (48+49+50), (51+52), (53), (150), (54+55+57), (56+59), (58+60), (61+62), (63), (106+107+108), (109+110), (111+112), (114)		
Lead (Pb)	ND	10	90

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

ND = Not detected (less than detection limit)

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



Test Report

Number: GZHH00629892

Tests Conducted

24 Phthalate Content (CCPSA SOR/2016-188)

As per Method CPSC-CH-C1001-09.3 and followed by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

For 3 phthalate

Test Item	CAS No.	Result (mg/kg)	Reporting Limit (mg/kg)	Limit (mg/kg)
		Tested Component (111+112), (116+117+118), (119+120+121), (123+124+125), (126+127+128), (129+130+131), (132+133+134), (135+136+122), (114), (137)		
Dibutyl phthalate (DBP)	84-74-2	ND	100	1000
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	100	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	100	1000

For 6 phthalate

Test Item	CAS No.	Result (mg/kg)	Reporting Limit (mg/kg)	Limit (mg/kg)
		Tested Component (18+19+27), (28+33+34), (36+37+40), (41+43+44), (48+49+50), (20+21+22), (23+24+25), (26+29+30), (31+32+35), (38+39+42), (45+47), (51+52), (54+55+56), (57+59+60), (17), (62), (61), (58), (53), (150)		
Dibutyl phthalate (DBP)	84-74-2	ND	100	1000
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	100	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	100	1000
Di-iso-nonyl phthalate (DINP)	28553-12-0	ND	100	1000
Di-n-octyl phthalate (DNOP)	117-84-0	ND	100	1000
Di-iso-decyl phthalate (DIDP)	26761-40-0	ND	100	1000

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

ND = Not detected (less than reporting limit)

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



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Number: GZHH00629892

Tests Conducted

25 Physical and Mechanical Tests

As per European Standard on Safety of toys EN71-1:2014+A1:2018

The submitted samples were undergone the following abuse tests:		
<u>Test</u>	<u>Clause</u>	<u>Parameter</u>
Torque test	8.3	0.34 Nm
Tension test	8.4.2.1	90N
Seams and materials	8.4.2.2	70 N
Drop test	8.5	850 mm x 5 times
Impact test	8.7	1 kg
Compression test	8.8	110 N

Clause	Testing Items	Assessment
4	General requirements	
4.1	Material	P
4.2	Assembly	NA
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
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	P
5.2	Soft-filled toys and soft-filled parts of a toy	P



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Tests Conducted

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

Remark: P = Pass NA = Not Applicable



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Number: GZHH00629892

Tests Conducted

Remark: Samples were tested to EN71-1 both before and after washing. The washing method as below:
-Simulated hand wash with reference to EC type approval protocol No. 4 domestic washing and drying procedures for textiles toy intended for children under 36 months and EN ISO 6330: 2012.
No difference in test results before and after washing.
(Washing test is not accredited by CNAS)

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

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.

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

2. Cleaning instruction

A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. The toy shall fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provided instructions on how the toy has to be cleaned.
After checking, the cleaning instruction was found on the submitted samples

26 Flammability Test

Test Standard : European Standard on Safety of Toys EN 71 - 2: 2020

Clause	Testing Items	Assessment
4.1	General requirements	P
4.2	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



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Test Report

Number: GZHH00629892

Tests Conducted

Remark: Samples were tested to EN71-2 both before and after washing. The washing method as below:
-Simulated hand wash with reference to EC type approval protocol No. 4 domestic washing and drying procedures for textiles toy intended for children under 36 months and EN ISO 6330: 2012.
No difference in test results before and after washing.
(Washing test is not accredited by CNAS)

= Since the maximum unhindered soft-filled dimension of the plush toy was less than 150mm, the flammability test as specified in Clause 4.5 was found not applicable.

27 **Physical and Mechanical Tests**

As per British Standard on Safety of toys BS EN71-1:2014+A1:2018

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	90N
Seams and materials	8.4.2.2	70 N
Drop test	8.5	850 mm x 5 times
Impact test	8.7	1 kg
Compression test	8.8	110 N

Clause	Testing Items	Assessment
4	General requirements	
4.1	Material	P
4.2	Assembly	NA
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



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Tests Conducted

Clause	Testing Items	Assessment
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	P
5.2	Soft-filled toys and soft-filled parts of a toy	P
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	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	
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 intended to be attached to 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



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Tests Conducted

Clause	Testing Items	Assessment
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

Remark: P = Pass NA = Not Applicable

Remark: Samples were tested to BS EN71-1 both before and after washing. The washing method as below:
-Simulated hand wash with reference to EC type approval protocol No. 4 domestic washing and drying procedures for textiles toy intended for children under 36 months and BS EN ISO 6330: 2012
No difference in test results before and after washing.
(Washing test is not CNAS accredited)

Below is additional information checking according to the UK Toy (Safety) Regulations requirement.

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
Name of authorised representative in Great Britain	Present	Absent
Address of authorised representative in Great Britain	Present	Absent
Product identification code	Present	Present



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Number: GZHH00629892

Tests Conducted

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	Present	Present

2. Cleaning instruction

A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. The toy shall fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provided instructions on how the toy has to be cleaned.

After checking, the cleaning instruction was found on the submitted samples

28 Flammability Test

Test Standard : British Standard on Safety of Toys BS EN 71 - 2: 2020

Clause	Testing Items	Assessment
4.1	General requirements	P
4.2	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

Remark: Samples were tested to BS EN71-2 both before and after washing. The washing method as below:
-Simulated hand wash with reference to EC type approval protocol No. 4 domestic washing and drying procedures for textiles toy intended for children under 36 months and BS EN ISO 6330: 2012
No difference in test results before and after washing.
(Washing test is not CNAS accredited)

= Since the maximum unhindered soft-filled dimension of the __doll__ was less than 150mm, the flammability test as specified in Clause 4.3/4.5 was found not applicable.



Test Report

Number: GZHH00629892

Tests Conducted

29 EN 71-3:2019+A1:2021 on Migration of Certain Elements

(A) Test Result

With reference to EN 71-3:2019+A1:2021 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Chromatography with UV-VIS and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(1)	(3)	(4)	(5)		
Aluminium (Al)	ND	357	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr(III)) #	ND	ND	ND	ND	10	460
Chromium (VI) (Cr(VI))	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	11	31	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	ND	5	12
Zinc (Zn)	182	ND	ND	ND	100	46000



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Tests Conducted

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(7)	(17)	(62)	(65)		
Aluminium (Al)	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr(III)) [#]	ND	ND	ND	ND	10	460
Chromium (VI) (Cr(VI))	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	10	ND	ND	25	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	12	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	3.1	2.5	180000
Organic tin ^{**}	ND	ND	ND	8	5	12
Zinc (Zn)	ND	1980	ND	ND	100	46000

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(67)	(68)	(69)	(70)		
Aluminium (Al)	ND	ND	ND	309	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr(III)) #	ND	ND	ND	ND	10	460
Chromium (VI) (Cr(VI))	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	20	14	40	36	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	3.3	4.3	ND	2.5	180000
Organic tin **	ND	8	ND ^Δ	ND	5	12
Zinc (Zn)	ND	ND	ND	ND	100	46000



Test Report

Number: GZHH00629892

Tests Conducted

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(81)	(83)	(84)	(89)		
Aluminium (Al)	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	19	20	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr(III)) #	ND	ND	ND	ND	10	460
Chromium (VI) (Cr(VI))	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	11	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	ND	5	12
Zinc (Zn)	114	ND	ND	ND	100	46000

Element	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(99)		
Aluminium (Al)	ND	300	28130
Antimony (Sb)	ND	10	560
Arsenic (As)	ND	10	47
Barium (Ba)	ND	10	18750
Boron (B)	ND	50	15000
Cadmium (Cd)	ND	5	17
Chromium (III) (Cr(III)) #	ND	10	460
Chromium (VI) (Cr(VI))	ND	0.025	0.053
Cobalt (Co)	ND	10	130
Copper (Cu)	13	10	7700
Lead (Pb)	ND	10	23
Manganese (Mn)	ND	10	15000
Mercury (Hg)	ND	10	94
Nickel (Ni)	ND	10	930
Selenium (Se)	ND	10	460
Strontium (Sr)	ND	100	56000
Tin (Sn)	ND	2.5	180000
Organic tin **	ND	5	12
Zinc (Zn)	ND	100	46000



Test Report

Number: GZHH00629892

Tests Conducted

Element	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component (2), (6), (15), (54)to(61), (63), (64), (66), (71)to(80), (82), (85)to(88), (90)to(98), (100)to(105)		
Aluminium (Al)	ND	300	28130
Antimony (Sb)	ND	10	560
Arsenic (As)	ND	10	47
Barium (Ba)	ND	10	18750
Boron (B)	ND	50	15000
Cadmium (Cd)	ND	5	17
Chromium (III) (Cr(III)) #	ND	10	460
Chromium (VI) (Cr(VI))	ND	0.025	0.053
Cobalt (Co)	ND	10	130
Copper (Cu)	ND	10	7700
Lead (Pb)	ND	10	23
Manganese (Mn)	ND	10	15000
Mercury (Hg)	ND	10	94
Nickel (Ni)	ND	10	930
Selenium (Se)	ND	10	460
Strontium (Sr)	ND	100	56000
Tin (Sn)	ND	2.5	180000
Organic tin **	ND	5	12
Zinc (Zn)	ND	100	46000

Remark : mg/kg = milligram per kilogram
 ++ = Unless the test results were marked with "Δ", organic tin contents were not directly determined and were derived from migration results of total tin.
 - Organic tin test result was expressed as tributyl tin.
 ND = Not detected (less than detection limit)
 # = The reported value of migration of chromium (III) = migration value of total chromium – migration value of chromium (VI).
 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 and triphenyl tin after converted to tributyl tin by calculation. Other organic tin compounds may 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



Test Report

Number: GZHH00629892

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).



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Test Report

Number: GZHH00629892

Tests Conducted

30 EN 71-3:2019+A2:2024 on Migration of Certain Elements

(A) Test Result

With reference to EN 71-3:2019+A2:2024 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Ion Chromatography with UV-VIS and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(1)	(3)	(4)	(5)		
Aluminium (Al)	ND	357	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr(III)) [#]	ND	ND	ND	ND	10	460
Chromium (VI) (Cr(VI))	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	11	31	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin ^{**}	ND	ND	ND	ND	5	12
Zinc (Zn)	182	ND	ND	ND	100	46000



Test Report

Number: GZHH00629892

Tests Conducted

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(7)	(17)	(62)	(65)		
Aluminium (Al)	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr(III)) #	ND	ND	ND	ND	10	460
Chromium (VI) (Cr(VI))	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	10	ND	ND	25	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	12	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	3.1	2.5	180000
Organic tin **	ND	ND	ND	8	5	12
Zinc (Zn)	ND	1980	ND	ND	100	46000

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(67)	(68)	(69)	(70)		
Aluminium (Al)	ND	ND	ND	309	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr(III)) #	ND	ND	ND	ND	10	460
Chromium (VI) (Cr(VI))	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	20	14	40	36	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	3.3	4.3	ND	2.5	180000
Organic tin **	ND	8	ND ^Δ	ND	5	12
Zinc (Zn)	ND	ND	ND	ND	100	46000



Test Report

Number: GZHH00629892

Tests Conducted

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(81)	(83)	(84)	(89)		
Aluminium (Al)	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	19	20	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr(III)) #	ND	ND	ND	ND	10	460
Chromium (VI) (Cr(VI))	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	11	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	ND	5	12
Zinc (Zn)	114	ND	ND	ND	100	46000

Element	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(99)		
Aluminium (Al)	ND	300	28130
Antimony (Sb)	ND	10	560
Arsenic (As)	ND	10	47
Barium (Ba)	ND	10	18750
Boron (B)	ND	50	15000
Cadmium (Cd)	ND	5	17
Chromium (III) (Cr(III)) #	ND	10	460
Chromium (VI) (Cr(VI))	ND	0.025	0.053
Cobalt (Co)	ND	10	130
Copper (Cu)	13	10	7700
Lead (Pb)	ND	10	23
Manganese (Mn)	ND	10	15000
Mercury (Hg)	ND	10	94
Nickel (Ni)	ND	10	930
Selenium (Se)	ND	10	460
Strontium (Sr)	ND	100	56000
Tin (Sn)	ND	2.5	180000
Organic tin **	ND	5	12
Zinc (Zn)	ND	100	46000



Test Report

Number: GZHH00629892

Tests Conducted

Element	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component (2), (6), (15), (54)to(61), (63), (64), (66), (71)to(80), (82), (85)to(88), (90)to(98), (100)to(105)		
Aluminium (Al)	ND	300	28130
Antimony (Sb)	ND	10	560
Arsenic (As)	ND	10	47
Barium (Ba)	ND	10	18750
Boron (B)	ND	50	15000
Cadmium (Cd)	ND	5	17
Chromium (III) (Cr(III)) #	ND	10	460
Chromium (VI) (Cr(VI))	ND	0.025	0.053
Cobalt (Co)	ND	10	130
Copper (Cu)	ND	10	7700
Lead (Pb)	ND	10	23
Manganese (Mn)	ND	10	15000
Mercury (Hg)	ND	10	94
Nickel (Ni)	ND	10	930
Selenium (Se)	ND	10	460
Strontium (Sr)	ND	100	56000
Tin (Sn)	ND	2.5	180000
Organic tin **	ND	5	12
Zinc (Zn)	ND	100	46000

Remark : mg/kg = milligram per kilogram
 ++ = Unless the test results were marked with "Δ", organic tin contents were not directly determined and were derived from migration results of total tin.
 - Organic tin test result was expressed as tributyl tin.
 ND = Not detected (less than detection limit)
 # = The reported value of migration of chromium (III) = migration value of total chromium – migration value of chromium (VI).
 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 and triphenyl tin after converted to tributyl tin by calculation. Other organic tin compounds may also be present in sample as stated in EN 71-3:2019+A2:2024.

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



Test Report

Number: GZHH00629892

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, 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).

Note: CEN/TS 17973:2023, Safety of toys - Categorization of slime type materials, specifies a method for categorization of slime-type products to support users of EN 71-3 in the categorization of products with slime-like behaviour into material categories I (dry, brittle, powder-like or pliable toy material) or II (liquid or sticky toy material).



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Test Report

Number: GZHH00629892

Tests Conducted

31 BS EN 71-3:2019+A1:2021 on Migration of Certain Elements

(A) Test Result

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

Category (III): Scraped-off toy material

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(1)	(3)	(4)	(5)		
Aluminium (Al)	ND	357	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr(III)) [#]	ND	ND	ND	ND	10	460
Chromium (VI) (Cr(VI))	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	11	31	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin ^{**}	ND	ND	ND	ND	5	12
Zinc (Zn)	182	ND	ND	ND	100	46000



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Number: GZHH00629892

Tests Conducted

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(7)	(17)	(62)	(65)		
Aluminium (Al)	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr(III)) #	ND	ND	ND	ND	10	460
Chromium (VI) (Cr(VI))	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	10	ND	ND	25	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	12	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	3.1	2.5	180000
Organic tin **	ND	ND	ND	8	5	12
Zinc (Zn)	ND	1980	ND	ND	100	46000

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(67)	(68)	(69)	(70)		
Aluminium (Al)	ND	ND	ND	309	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr(III)) #	ND	ND	ND	ND	10	460
Chromium (VI) (Cr(VI))	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	20	14	40	36	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	3.3	4.3	ND	2.5	180000
Organic tin **	ND	8	ND ^Δ	ND	5	12
Zinc (Zn)	ND	ND	ND	ND	100	46000



Test Report

Number: GZHH00629892

Tests Conducted

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(81)	(83)	(84)	(89)		
Aluminium (Al)	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	19	20	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr(III)) #	ND	ND	ND	ND	10	460
Chromium (VI) (Cr(VI))	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	11	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	ND	5	12
Zinc (Zn)	114	ND	ND	ND	100	46000

Element	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(99)		
Aluminium (Al)	ND	300	28130
Antimony (Sb)	ND	10	560
Arsenic (As)	ND	10	47
Barium (Ba)	ND	10	18750
Boron (B)	ND	50	15000
Cadmium (Cd)	ND	5	17
Chromium (III) (Cr(III)) #	ND	10	460
Chromium (VI) (Cr(VI))	ND	0.025	0.053
Cobalt (Co)	ND	10	130
Copper (Cu)	13	10	7700
Lead (Pb)	ND	10	23
Manganese (Mn)	ND	10	15000
Mercury (Hg)	ND	10	94
Nickel (Ni)	ND	10	930
Selenium (Se)	ND	10	460
Strontium (Sr)	ND	100	56000
Tin (Sn)	ND	2.5	180000
Organic tin **	ND	5	12
Zinc (Zn)	ND	100	46000



Test Report

Number: GZHH00629892

Tests Conducted

Element	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component (2), (6), (15), (54)to(61), (63), (64), (66), (71)to(80), (82), (85)to(88), (90)to(98), (100)to(105)		
Aluminium (Al)	ND	300	28130
Antimony (Sb)	ND	10	560
Arsenic (As)	ND	10	47
Barium (Ba)	ND	10	18750
Boron (B)	ND	50	15000
Cadmium (Cd)	ND	5	17
Chromium (III) (Cr(III)) #	ND	10	460
Chromium (VI) (Cr(VI))	ND	0.025	0.053
Cobalt (Co)	ND	10	130
Copper (Cu)	ND	10	7700
Lead (Pb)	ND	10	23
Manganese (Mn)	ND	10	15000
Mercury (Hg)	ND	10	94
Nickel (Ni)	ND	10	930
Selenium (Se)	ND	10	460
Strontium (Sr)	ND	100	56000
Tin (Sn)	ND	2.5	180000
Organic tin **	ND	5	12
Zinc (Zn)	ND	100	46000

Remark : mg/kg = milligram per kilogram

++ = Unless the test results were marked with "Δ", organic tin contents were not directly determined and were derived from migration results of total tin.

- Organic tin test result was expressed as tributyl tin.

ND = Not detected (less than detection limit)

= The reported value of migration of chromium (III) = migration value of total chromium – migration value of chromium (VI).

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 and triphenyl tin after converted to tributyl tin by calculation. Other organic tin compounds may also be present in sample as stated in BS EN 71-3:2019+A1:2021.

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



Test Report

Number: GZHH00629892

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).



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Number: GZHH00629892

Tests Conducted

32 BS EN 71-3:2019+A2:2024 on Migration of Certain Elements

(A) Test Result

With reference to BS EN 71-3:2019+A2:2024 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Ion Chromatography with UV-VIS and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(1)	(3)	(4)	(5)		
Aluminium (Al)	ND	357	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr(III)) [#]	ND	ND	ND	ND	10	460
Chromium (VI) (Cr(VI))	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	11	31	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin ^{**}	ND	ND	ND	ND	5	12
Zinc (Zn)	182	ND	ND	ND	100	46000



Test Report

Number: GZHH00629892

Tests Conducted

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(7)	(17)	(62)	(65)		
Aluminium (Al)	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr(III)) [#]	ND	ND	ND	ND	10	460
Chromium (VI) (Cr(VI))	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	10	ND	ND	25	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	12	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	3.1	2.5	180000
Organic tin ^{**}	ND	ND	ND	8	5	12
Zinc (Zn)	ND	1980	ND	ND	100	46000

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(67)	(68)	(69)	(70)		
Aluminium (Al)	ND	ND	ND	309	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	ND	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr(III)) [#]	ND	ND	ND	ND	10	460
Chromium (VI) (Cr(VI))	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	20	14	40	36	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	3.3	4.3	ND	2.5	180000
Organic tin ^{**}	ND	8	ND ^A	ND	5	12
Zinc (Zn)	ND	ND	ND	ND	100	46000



Test Report

Number: GZHH00629892

Tests Conducted

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(81)	(83)	(84)	(89)		
Aluminium (Al)	ND	ND	ND	ND	300	28130
Antimony (Sb)	ND	ND	ND	ND	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	19	20	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr(III)) #	ND	ND	ND	ND	10	460
Chromium (VI) (Cr(VI))	ND	ND	ND	ND	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	11	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	ND	5	12
Zinc (Zn)	114	ND	ND	ND	100	46000

Element	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(99)		
Aluminium (Al)	ND	300	28130
Antimony (Sb)	ND	10	560
Arsenic (As)	ND	10	47
Barium (Ba)	ND	10	18750
Boron (B)	ND	50	15000
Cadmium (Cd)	ND	5	17
Chromium (III) (Cr(III)) #	ND	10	460
Chromium (VI) (Cr(VI))	ND	0.025	0.053
Cobalt (Co)	ND	10	130
Copper (Cu)	13	10	7700
Lead (Pb)	ND	10	23
Manganese (Mn)	ND	10	15000
Mercury (Hg)	ND	10	94
Nickel (Ni)	ND	10	930
Selenium (Se)	ND	10	460
Strontium (Sr)	ND	100	56000
Tin (Sn)	ND	2.5	180000
Organic tin **	ND	5	12
Zinc (Zn)	ND	100	46000



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Number: GZHH00629892

Tests Conducted

Element	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component (2), (6), (15), (54)to(61), (63), (64), (66), (71)to(80), (82), (85)to(88), (90)to(98), (100)to(105)		
Aluminium (Al)	ND	300	28130
Antimony (Sb)	ND	10	560
Arsenic (As)	ND	10	47
Barium (Ba)	ND	10	18750
Boron (B)	ND	50	15000
Cadmium (Cd)	ND	5	17
Chromium (III) (Cr(III)) #	ND	10	460
Chromium (VI) (Cr(VI))	ND	0.025	0.053
Cobalt (Co)	ND	10	130
Copper (Cu)	ND	10	7700
Lead (Pb)	ND	10	23
Manganese (Mn)	ND	10	15000
Mercury (Hg)	ND	10	94
Nickel (Ni)	ND	10	930
Selenium (Se)	ND	10	460
Strontium (Sr)	ND	100	56000
Tin (Sn)	ND	2.5	180000
Organic tin **	ND	5	12
Zinc (Zn)	ND	100	46000

Remark : mg/kg = milligram per kilogram

++ = Unless the test results were marked with "Δ", organic tin contents were not directly determined and were derived from migration results of total tin.

- Organic tin test result was expressed as tributyl tin.

ND = Not detected (less than detection limit)

= The reported value of migration of chromium (III) = migration value of total chromium – migration value of chromium (VI).

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 and triphenyl tin after converted to tributyl tin by calculation. Other organic tin compounds may also be present in sample as stated in BS EN 71-3:2019+A2:2024.

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



Test Report

Number: GZHH00629892

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, 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).

Note: CEN/TS 17973:2023, Safety of toys - Categorization of slime type materials, specifies a method for categorization of slime-type products to support users of EN 71-3 in the categorization of products with slime-like behaviour into material categories I (dry, brittle, powder-like or pliable toy material) or II (liquid or sticky toy material).



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Tests Conducted

- 33 EU REACH Regulation (EC) No 1907/2006 and its Amendment(s) including (EU) 2016/217 Annex XVII Entry 23 on Cadmium (Cd) Content

With reference to IEC 62321-5:2013, acid digestion method was used and followed by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (%)	Detection Limit (%)
	Tested Component	
	(17), (18+19+27), (20+21+22), (23+24+25), (26+29+30), (28+33+34), (31+32+35), (36+37+40), (38+39+42), (41+43+44), (45+47), (48+49+50), (51+52), (53), (150), (54+55+57), (56+59), (58+60), (61+62), (111+112), (114), (116+117+118), (119+120+121), (123+124+125), (126+127+128), (129+130+131), (132+133+134), (135+136+122), (137)	
Cadmium (Cd)	ND	0.0005

Limit:

Category	Limit (%)
Wet paint	0.01
Surface coating	0.1
Plastic	0.01
Metal parts of jewellery and hair accessories	0.01

The limit was quoted according to EU REACH Regulation (EC) No 1907/2006 and its Amendment(s) including (EU) 2016/217 Annex XVII Entry 23 on Cadmium (Cd) Content.

ND = Not detected (less than detection limit)

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



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Test Report

Number: GZHH00629892

Tests Conducted

34 Organotin Content Screening

By acid digestion and determined by Inductively Coupled Argon Plasma Spectrometry.

Test Item	Result (%)	Detection Limit (%)	Limit (%)
	Tested Component (56+59), (61+62), (63), (64+65+66), (67+68+69), (70+71+72), (73+74+75), (76+77+78), (79+80+81), (82+83+84), (85+86+88), (89+90+91), (92+93+94), (95+96+97), (98+99+100), (101+102+103), (104+105), (111+112), (113+115), (114), (138+139), (140), (141+142+143)		
Tin (Sn)	ND	0.005	0.1

The limit was quoted according to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and Amendment (EC) No 552/2009 and (EU) No 276/2010, Annex XVII Entry 20 on Organotin Content.

ND = Not detected (less than detection limit)

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

35 EU REACH Regulation (EC) No 1907/2006 and its Amendment(s) including (EU) 2018/2005 Annex XVII Entries 51 and 52 on Phthalates Content

With reference to ISO 8124-6:2023, followed by Gas Chromatographic-Mass Spectrometric (GC-MS).

For 4 phthalates:

Test Item	CAS No.	Result (%)	Detection Limit (%)	Limit (%)
		Tested Component (111+112), (116+117+118), (119+120+121), (123+124+125), (126+127+128), (129+130+131), (132+133+134), (135+136+122), (114), (137)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.005	--
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.005	--
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.005	--
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.005	--
Sum of DBP, DEHP, BBP and DIBP	--	ND	--	0.1



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Number: GZHH00629892

Tests Conducted

For 7 phthalates:

Test Item	CAS No.	Result (%)	Detection Limit (%)	Limit (%)
		Tested Component (18+19+27), (28+33+34), (36+37+40), (41+43+44), (48+49+50), (20+21+22), (23+24+25), (26+29+30), (31+32+35), (38+39+42), (45+47), (51+52), (54+55+56), (57+59+60), (17), (62), (61), (58), (53), (150)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.005	--
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.005	--
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.005	--
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.005	--
Sum of DBP, DEHP, BBP and DIBP	--	ND	--	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0	ND	0.005	--
Di-n-octyl phthalate(DNOP)	117-84-0	ND	0.005	--
Di-iso-decyl phthalate (DIDP)	26761-40-0	ND	0.005	--
Sum of DINP, DNOP and DIDP	--	ND	--	0.1

The limit was quoted according to EU REACH Regulation (EC) No 1907/2006 and its Amendment(s) including (EU) 2018/2005 Annex XVII Entries 51 and 52 on Phthalates Content.

ND = Not detected (less than detection limit)

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



Test Report

Number: GZHH00629892

Tests Conducted

- 36 EU REACH Regulation (EC) No 1907/2006 and its Amendment(s) including (EU) No 1272/2013 Annex XVII Entry 50 on Polycyclic Aromatic Hydrocarbons (PAHs) Content

With reference to AfPS GS 2019:01 PAK and followed by Gas Chromatography-Mass Spectrometry (GC-MS).

For toys and childcare articles, whose rubber or plastic components come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity:

Test Item	CAS No.	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
		Tested Component (1+2), (3+4), (5+6), (7), (54+55), (56+57), (59+60), (62), (64+65), (66+67), (68+69), (71+73), (78+79), (81+82), (85+86), (87+88), (90+94), (95+97), (99+100)		
Benzo[a]anthracene	56-55-3	ND	0.2	0.5
Chrysene	218-01-9	ND	0.2	0.5
Benzo[b]fluoranthene	205-99-2	ND	0.2	0.5
Benzo[k]fluoranthene	207-08-9	ND	0.2	0.5
Benzo[a]pyrene	50-32-8	ND	0.2	0.5
Dibenzo[a,h]anthracene	53-70-3	ND	0.2	0.5
Benzo[j]fluoranthene	205-82-3	ND	0.2	0.5
Benzo[e]pyrene	192-97-2	ND	0.2	0.5

The limit was quoted according to EU REACH Regulation (EC) No 1907/2006 and its Amendment(s) including (EU) No 1272/2013 Annex XVII Entry 50 on Polycyclic Aromatic Hydrocarbons (PAHs) Content.

ND = Not detected (less than detection limit)

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



Test Report

Number: GZHH00629892

Tests Conducted

37 Physical and Mechanical Tests

Test standard: International Standard ISO 8124-1: 2022 - Safety aspects related to mechanical and physical properties.

The submitted samples were undergone the normal use and the following reasonable foreseeable abuse tests in accordance with the Clause 5.24 of ISO 8124-1:2022 before the assessment of the relevant requirement in Clause 4 :

Test	Test	Parameter
5.24.2	Drop test	10 x 138 ± 5cm
5.24.5	Torque test	0.45 ± 0.02Nm
5.24.6	Tension test	70 ± 2N
5.24.7	Compression test	136 ± 2N

Section	Testing Items	Assessment
4.1.1	Normal use	P
4.1.2	Location of warning	NA
4.2	Reasonably foreseeable abuse	P
4.3.1	Material	P
4.3.2	Expanding materials	NA
4.4.1	Small parts	P
4.4.2	Small parts warning	NA
4.5	Shape, size and strength of certain toys	NA
4.6	Edges	P
4.7	Points	P
4.8	Projections	NA
4.9	Metal wires and rods	NA
4.10	Plastic film or plastic bags in packaging and in toys	NA
4.11	Cords	P
4.12	Folding mechanisms	NA
4.13	Holes, clearances and accessibility of mechanisms	NA
4.14	Springs	NA
4.15	Stability and overload requirements	NA
4.16	Enclosures	NA
4.17	Items that cover the face and simulated protective equipment	NA
4.18	Projectile toys	NA
4.19	Flying toys	NA
4.20	Aquatic toys	NA
4.21	Braking	NA
4.22	Toy bicycles	NA
4.23	Speed limitation of electrically driven ride-on toys	NA
4.24	Toys containing a heat source	NA
4.25	Liquid-filled toys	NA
4.26	Mouth-actuated toys	NA
4.27	Toy roller skates, toy inline skates and toys skateboards	NA



Test Report

Number: GZHH00629892

Tests Conducted

Section	Testing Items	Assessment
4.28	Percussion caps specifically designed for use in toys	NA
4.29	Acoustic requirements	NA
4.30	Toy scooters	NA
4.31	Magnet and magnetic components	NA
4.32	Yo-yo balls	NA
4.33	Straps intended to be worn fully or partially around the neck	NA
4.34	Sledges and toboggans with cords for pulling	NA
4.35	Jaw entrapment in handles and steering wheels	NA
4.36	Assembly	NA
4.37	Functional toys	NA
4.38	Toys intended to come into contact with food	NA
4.39	Inflatable toys	NA
Annex B	Safety labelling guidelines and manufacturer's markings	P
Annex D	Toy gun marking	NA

Remark : P = Pass NA = Not Applicable

Safety labelling and manufacturing marking should be in the language of the country in which the toys will be distributed.

38 Flammability test

Test Standard: International Standard on Safety of Toys ISO 8124-2: 2023.

Section	Testing Items	Assessment
4.1	General	P
4.2	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

Note:

Type of gas used in the test burner: butane

= Since the maximum unhindered vertical soft-filled height when positioned in accordance with 5.5.3 was 150 mm or less, the flammability test as specified in Clause 4.5 was found not applicable.



Test Report

Number: GZHH00629892

Tests Conducted

39 Toxic Elements Analysis (Any Toy Material Except Modelling Clay and Putty, Finger Paint and Slime)

With reference to ISO 8124-3:2020+Amd.1:2023, acid extraction method was used and toxic elements content were determined by Inductively Coupled Plasma - Optical Emission Spectrometry.

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(62)	(68)	(70)	(86)		
Sol. Barium (Ba)	ND [#]	ND	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND [#]	ND [#]	ND [#]	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	2.5	25

Element	Result (mg/kg)			Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component				
	(83)	(84)	(103)		
Sol. Barium (Ba)	15 [#]	14 [#]	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND [#]	5	60
Sol. Selenium (Se)	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	2.5	25

Element	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(1)to(7), (15), (17), (54)to(61), (63)to(67), (69), (71)to(82), (85), (87)to(102), (104), (105)		
Sol. Barium (Ba)	ND	5	1000
Sol. Lead (Pb)	ND	5	90
Sol. Cadmium (Cd)	ND	5	75
Sol. Antimony (Sb)	ND	5	60
Sol. Selenium (Se)	ND	5	500
Sol. Chromium (Cr)	ND	5	60
Sol. Mercury (Hg)	ND	5	60
Sol. Arsenic (As)	ND	2.5	25

ND = Not detected (less than detection limit)

Sol. = Soluble

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

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



Test Report

Number: GZHH00629892

Tests Conducted

40 Physical and Mechanical Tests

Test Standard: Australian / New Zealand Standard AS/NZS ISO 8124.1: 2023 Safety aspects related to mechanical and physical properties.

The submitted samples were undergone the normal use and the following reasonable foreseeable abuse tests in accordance with the Clause 5.24 of AS/NZS ISO 8124.1: 2023 before the assessment of the relevant requirement in Clause 4:

Clause	Test	Parameter
5.24.2	Drop test	10 x 138 ± 5cm
5.24.5	Torque test	0.45 ± 0.02Nm
5.24.6	Tension test	70 ± 2N
5.24.7	Compression test	136 ± 2N

Section	Testing Items	Assessment
4.1.1	Normal use	P
4.1.2	Location of warning	NA
4.2	Reasonably foreseeable abuse	P
4.3.1	Material quality	P
4.3.2	Expanding materials	NA
4.4.1	Small parts	P
4.4.2	Small part warning	NA
4.5	Shape, size and strength of certain toys	NA
4.6	Edges	P
4.7	Points	P
4.8	Projections	NA
4.9	Metal wires and rods	NA
4.10	Plastic film or plastic bags in packaging and in toys	NA
4.11	Cords	P
4.12	Folding mechanisms	NA
4.13	Holes, clearances and accessibility of mechanisms	NA
4.14	Springs	NA
4.15	Stability and overload requirements	NA
4.16	Enclosures	NA
4.17	Items that cover the face and simulated protective equipment	NA
4.18	Projectile toys	NA
4.19	Flying toys	NA
4.20	Aquatic toys	NA
4.21	Braking	NA
4.22	Toy bicycles	NA
4.23	Speed limitation of electrically driven ride-on toys	NA
4.24	Toys containing a heat source	NA
4.25	Liquid-filled toys	NA
4.26	Mouth-actuated toys	NA



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Section	Testing Items	Assessment
4.27	Toy roller skates, toy inline skates and toys skateboards	NA
4.28	Percussion caps specifically designed for use in toys	NA
4.29	Acoustic requirements	NA
4.30	Toy scooters	NA
4.31	Magnet and magnetic components	NA
4.32	Yo-yo balls	NA
4.33	Straps intended to be worn fully or partially around the neck	NA
4.34	Sledges and toboggans with cords for pulling	NA
4.35	Jaw entrapment in handles and steering wheels	NA
4.36	Assembly	NA
4.37	Functional toys	NA
4.38	Toys intended to come into contact with food	NA
4.39	Inflatable toys	NA
Annex B	Safety labelling guidelines and manufacturer's markings	P
Annex D	Toy gun marking	NA

Remark : P = Pass NA = Not Applicable

41 Toys for Children up to and including 36 Months of Age

Test Standard: AS/NZS ISO 8124-1:2023 Australian/New Zealand Standard for safety of toys

Clause	Testing Items	Assessment
10a	Normal use	P
10b	Reasonably foreseeable abuse	P
10c	(Modified) Small parts (For children under 36 months)	P
10d	(Modified) Squeeze toys, rattles, fasteners and certain other toys and components of toys	NA
10e	(Modified) Small balls	NA
10f	(Modified) Pompoms	NA
10g	(Modified) Pre-school play figures	NA
10h	(Modified) Toy pacifiers	NA
10i	(Modified) Mouth-actuated toys	NA
11(7)	(Modified) Annex A (Age-grading guidelines)	P
12(1)	Modifications to testing standards	
12(2)	(Modified) Test method - General	P
12(3)	(Modified) Small parts test	P
12(4)	(Modified) Washable toys	NA
12(5)	(Modified) Drop test	P
12(6)	(Modified) Compression test	P
19	(Modified) Electric Toy Standard	NA

Abbreviation : P = Pass NA = Not Applicable



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42 Physical and mechanical tests for toys for children up to and including 36 months of age

Test Standard: New Zealand Product Safety Standards (Children's Toys) Regulations 2005.

The submitted samples were undergone the normal use and the following reasonable foreseeable abuse tests in accordance with the Clause 5.24 of AS/NZS ISO 8124.1: 2002 before the assessment of the relevant requirement in Clause 4 and Annex A:

<u>Clause</u>	<u>Test</u>	<u>Parameter</u>
5.24.2	Drop test	10 x 138 ± 5cm
5.24.5	Torque test	0.45 ± 0.02Nm
5.24.6	Tension test	70 ± 2N
5.24.7	Compression test	114 ± 2N

<u>Section</u>	<u>Testing Items</u>	<u>Result</u>
4.1	Normal use	P
4.2	Reasonably foreseeable abuse	P
4.4	Small parts	-
4.4.1	Small parts for children under 36 months	P
4.5	Shape, size and strength of certain toys	-
4.5.1	Squeeze toys, rattles and certain other toys	NA
4.5.2	Small ball	NA
4.5.3	Pompom	NA
4.5.4	Preschool play figures	NA
4.5.5	Toy pacifiers	NA
4.25	Mouth-actuated toys	-
4.25a	Mouth-actuated toys and removable mouthpieces of mouth-actuated toys	NA
4.25b	Non-detachable mouthpieces of mouth-actuated toys	NA
4.25c	Mouth-actuated toys which contain loose components	NA
Annex A.2.3	Battery-operated toy	NA

Remark : P = Pass NA = Not Applicable



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43 Flammability test

Test Standard: Australian / New Zealand Standard on Safety of Toys AS/NZS ISO 8124.2:2023.

Section	Testing Items	Assessment
4.1	General	P
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in a play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft-filled toys	NA#

Abbreviation: P = Pass NA = Not Applicable

Note: Type of gas used in the test burner: butane

= Since the maximum unhindered vertical soft-filled height when positioned in accordance with 5.5.3, was 150 mm or less, the flammability test as specified in Clause 4.5 was found not applicable.

44 AS/NZS ISO 8124.3:2021+Amd 1:2023 on Migration of Certain Elements from Any Toy Materials Except Modelling Clays and Putties, Finger Paints and Slimes

With reference to AS/NZS ISO 8124.3:2021+Amd 1:2023, acid extraction method was used and toxic elements content were determined by Inductively Coupled Plasma - Optical Emission Spectrometry.

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(62)	(68)	(70)	(86)		
Sol. Barium (Ba)	ND [#]	ND	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND [#]	ND [#]	ND [#]	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	2.5	25

Element	Result (mg/kg)			Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component				
	(83)	(84)	(103)		
Sol. Barium (Ba)	15 [#]	14 [#]	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND [#]	5	60
Sol. Selenium (Se)	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	2.5	25



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Element	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(1)to(7), (15), (17), (54)to(61), (63)to(67), (69), (71)to(82), (85), (87)to(102), (104), (105)		
Sol. Barium (Ba)	ND	5	1000
Sol. Lead (Pb)	ND	5	90
Sol. Cadmium (Cd)	ND	5	75
Sol. Antimony (Sb)	ND	5	60
Sol. Selenium (Se)	ND	5	500
Sol. Chromium (Cr)	ND	5	60
Sol. Mercury (Hg)	ND	5	60
Sol. Arsenic (As)	ND	2.5	25

ND = Not detected (less than detection limit)

Sol. = Soluble

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

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

45 Toxic Elements Analysis (General) (Australia Consumer Protection Notice No. 1 of 2009)

With reference to AS/NZS ISO 8124.3:2003, acid extraction method was used and toxic elements content were determined by Inductively Coupled Plasma - Optical Emission Spectrometry (ICP-OES).

Element	Result (mg/kg)				Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(62)	(68)	(70)	(86)		
Sol. Barium (Ba)	ND [#]	ND	ND	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND [#]	ND [#]	ND [#]	5	60
Sol. Selenium (Se)	ND	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	ND	2.5	25

Element	Result (mg/kg)			Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component				
	(83)	(84)	(103)		
Sol. Barium (Ba)	15 [#]	14 [#]	ND	5	1000
Sol. Lead (Pb)	ND	ND	ND	5	90
Sol. Cadmium (Cd)	ND	ND	ND	5	75
Sol. Antimony (Sb)	ND	ND	ND [#]	5	60
Sol. Selenium (Se)	ND	ND	ND	5	500
Sol. Chromium (Cr)	ND	ND	ND	5	60
Sol. Mercury (Hg)	ND	ND	ND	5	60
Sol. Arsenic (As)	ND	ND	ND	2.5	25



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Tests Conducted

Element	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(1)to(7), (15), (17), (54)to(61), (63)to(67), (69), (71)to(82), (85), (87)to(102), (104), (105)		
Sol. Barium (Ba)	ND	5	1000
Sol. Lead (Pb)	ND	5	90
Sol. Cadmium (Cd)	ND	5	75
Sol. Antimony (Sb)	ND	5	60
Sol. Selenium (Se)	ND	5	500
Sol. Chromium (Cr)	ND	5	60
Sol. Mercury (Hg)	ND	5	60
Sol. Arsenic (As)	ND	2.5	25

Sol. = Soluble

ND = Not detected (less than detection limit)

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

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

46 EU Toy Safety Directive 2009/48/EC (TSD) and its Amendment(s) including (EU) 2019/1929 Annex II Appendix C on Formaldehyde

With reference to EN ISO 17226-1:2021 on formaldehyde content in leather materials, by High Performance Liquid Chromatography analysis.

Test Item	CAS No.	Result (mg/kg)	Detection Limit (mg/kg)	Limit (mg/kg)
		Tested Component		
		(61+62+63), (70+71+73), (75+76+77), (78+80+82), (83+84+86), (90+91+92), (93+94+96), (99+102+105), (144+145+146), (147+148+149)		
Formaldehyde	50-00-0	ND	5	30

The limit was quoted according to EU Toy Safety Directive 2009/48/EC (TSD) and its Amendment(s) including (EU) 2019/1929 Annex II Appendix C on Formaldehyde.

ND = Not detected (less than detection limit)

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



Test Report

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Tests Conducted

Component list:

Sequence No.	Test Component No.	Test Component Description(s)
SN1	1.	Coatings (brown, dark brown) on plastic (hair of #Crimson Doll).
SN2	2.	Coatings (light black, light purple) on plastic (hair of #Indigo Duchess) (sample weight: 52.7mg).
SN3	3.	Coatings (dull white, purple-brown) on plastic (hair of #Moonlight attendant).
SN4	4.	Coatings (black, dark purple) on plastic (hair of #Dark Eyed Enchantress) (sample weight: 65.7mg).
SN5	5.	Coatings (light orange, orange) on plastic (hair of #Mourning Nun) (sample weight: 65.7mg).
SN6	6.	Coatings (pale grey, lavender) on plastic (hair of #Forsaken Lamb) (sample weight: 82.0mg).
SN7	7.	Coatings (pink, fuchsia) on plastic (hair of #Secret) (sample weight: 74.1mg).
SN8	8. @	Multicolor coatings on plastic (face, tear, hands. legs of #Crimson Doll).
SN9	9. @	Multicolor coatings on plastic (face, tear, hands. legs of #Indigo Duchess).
SN10	10. @	Multicolor coatings on plastic (face, tear of #Moonlight attendant).
SN11	11. @	Multicolor coatings on plastic (face, tear of #Dark Eyed Enchantress).
SN12	12. @	Multicolor coatings on plastic (face, tear, hands. legs of #Mourning Nun).
SN13	13. @	Multicolor coatings on plastic (face of #Forsaken Lamb).
SN14	14. @	Multicolor coatings on plastic (face, tear, hands. legs of #Secret).
SN15	15.	Dark red coating on plastic (heart, tear of #Forsaken Lamb) (sample weight: 25.0mg).
SN16	16. @	Purple coating on woven (blinder of #Dark Eyed Enchantress).
SN17	17.	Pearlized white coating on plastic (necklace of #Secret) (sample weight: 31.7mg).
SN18	18.	Brown coating on plastic (part used for hair of #Crimson Doll).
SN19	19.	Dark brown coating on plastic (part used for hair of #Crimson Doll).
SN20	20.	Black coating on plastic (part used for face of #Crimson Doll).
SN21	21.	Magenta coating on plastic (part used for face, hands, legs of #Crimson Doll).
SN22	22.	Violet coating on plastic (part used for tear of #Crimson Doll, #Moonlight attendant).
SN23	23.	Bright pink coating on plastic (part used for mouth of all styles).
SN24	24.	Light brown coating on plastic (part used for eyes of all styles).
SN25	25.	Deep brown coating on plastic (part used for eyes of all styles).
SN26	26.	Pearlized bright white coating on plastic (part used for face of all styles).
SN27	27.	Light black coating on plastic (part used for hair of #Indigo Duchess).
SN28	28.	Light purple coating on plastic (part used for hair of #Indigo Duchess).
SN29	29.	Bright violet coating on plastic (part used for eyes of #Indigo Duchess).
SN30	30.	Bright brown coating on plastic (part used for tear of #Indigo Duchess).
SN31	31.	Dull pink coating on plastic (part used for face, hands, legs of #Indigo Duchess).
SN32	32.	Dark violet coating on plastic (part used for forehead of #Indigo Duchess).



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Tests Conducted

Sequence No.	Test Component No.	Test Component Description(s)
SN33	33.	Dull white coating on plastic (part used for hair of #Moonlight attendant).
SN34	34.	Purple-brown coating on plastic (part used for hair of #Moonlight attendant).
SN35	35.	Orchid coating on plastic (part used for face of #Moonlight attendant).
SN36	36.	Dark purple coating on plastic (part used for hair of #Dark Eyed Enchantress).
SN37	37.	Black coating on plastic (part used for hair of #Dark Eyed Enchantress).
SN38	38.	Light magenta coating on plastic (part used for face of #Dark Eyed Enchantress).
SN39	39.	Silver color coating on plastic (part used for tear of #Dark Eyed Enchantress, #Mourning Nun, #Secret).
SN40	40.	Light orange coating on plastic (part used for hair of #Mourning Nun).
SN41	41.	Orange coating on plastic (part used for hair of #Mourning Nun).
SN42	42.	Coral pink coating on plastic (part used for face, hands, legs of #Mourning Nun).
SN43	43.	Pale grey coating on plastic (part used for hair of #Forsaken Lamb).
SN44	44.	Lavender coating on plastic (part used for hair of #Forsaken Lamb).
SN45	45.	Matt brown coating on plastic (part used for face of #Forsaken Lamb).
SN46	47.	Camel coating on plastic (part used for forehead of #Forsaken Lamb).
SN47	48.	Dark red coating on plastic (part used for heart, tear of #Forsaken Lamb).
SN48	49.	Pink coating on plastic (part used for hair of #Secret).
SN49	50.	Fuchsia coating on plastic (part used for hair of #Secret).
SN50	51.	Dull coral pink coating on plastic (part used for face, hands, legs of #Secret).
SN51	52.	Dark grey coating on plastic (part used for eyes of #Secret).
SN52	53.	Dark white coating (part used for mouth of all styles).
SN53	54.	Light white plastic excluding coatings (hair of all styles).
SN54	55.	Flesh color plastic (face of all styles).
SN55	56.	Flesh color plastic (hands, legs of #Crimson Doll, #Indigo Duchess, #Mourning Nun, #Secret).
SN56	57.	Transparent plastic (eyes of #Crimson Doll, #Indigo Duchess, #Moonlight attendant, #Dark Eyed Enchantress, #Secret).
SN57	58.	White plastic (eyes of #Crimson Doll, #Indigo Duchess, #Moonlight attendant, #Dark Eyed Enchantress, #Secret).
SN58	59.	Semi-transparent white plastic excluding coating (heart of #Forsaken Lamb).
SN59	60.	White plastic excluding coating (necklace of #Secret).
SN60	61.	White elastic band (headband of #Crimson Doll, #Mourning Nun).
SN61	62.	Gold color synthetic leather (crown of #Forsaken Lamb).
SN62	63.	White woven with black printing (sewn-in label of all styles).
SN63	64.	Dull red woven with black stitching thread logo (woven logo of #Crimson Doll).
SN64	65.	Dull black woven with dark blue stitching thread logo (woven logo of #Indigo Duchess).
SN65	66.	Light grey woven with light purple stitching thread logo (woven logo of #Moonlight attendant).
SN66	67.	Black woven with orchid stitching thread logo (woven logo of #Dark Eyed Enchantress).



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Tests Conducted

Sequence No.	Test Component No.	Test Component Description(s)
SN67	68.	Black woven with light grey stitching thread logo (woven logo of #Mourning Nun).
SN68	69.	Black woven with red stitching thread logo (woven logo of #Forsaken Lamb).
SN69	70.	Pale pink woven with dark pink stitching thread logo (woven logo of #Secret).
SN70	71.	Black stain (headband, bowknot of #Crimson Doll, clothing of #Indigo Duchess).
SN71	72.	Red stain (headband of #Crimson Doll).
SN72	73.	Black organza (headband of #Crimson Doll, clothing of #Indigo Duchess, #Dark Eyed Enchantress).
SN73	74.	Red short pile plush (head, body, hands of #Crimson Doll).
SN74	75.	Beige stain (flower of #Indigo Duchess).
SN75	76.	Dull royal blue stain (flower of #Indigo Duchess).
SN76	77.	Royal blue stain (bowknot of #Indigo Duchess).
SN77	78.	Black mesh (hat of #Indigo Duchess).
SN78	79.	Black short pile plush (head, body, hands of #Indigo Duchess, #Mourning Nun).
SN79	80.	Royal blue/dark royal blue woven (hat of #Indigo Duchess).
SN80	81.	Light grey short pile plush (head, body, hands, legs of #Moonlight attendant).
SN81	82.	Light grey fake suede fabric (cloak of #Moonlight attendant).
SN82	83.	White ribbon (bowknot of #Moonlight attendant).
SN83	84.	Light purple ribbon (bowknot of #Moonlight attendant).
SN84	85.	Slate grey brushed knit (fastener of cloak of #Moonlight attendant) (sample weight: 70.1mg).
SN85	86.	Matt black ribbon (bowknot of #Dark Eyed Enchantress).
SN86	87.	Black brushed knit (blinder of #Dark Eyed Enchantress) (sample weight: 92.7mg).
SN87	88.	Dark black ribbon (blinder of #Dark Eyed Enchantress) (sample weight: 62.3mg).
SN88	89.	Dark purple short pile plush (head, body, hands, legs of #Dark Eyed Enchantress).
SN89	90.	Light black organza (clothing of #Dark Eyed Enchantress).
SN90	91.	Dark purple stain (clothing of #Dark Eyed Enchantress).
SN91	92.	White stain (clothing, headband of #Mourning Nun).
SN92	93.	White organza (headband of #Mourning Nun, headband, clothing of #Secret).
SN93	94.	Light black mesh (headband of #Mourning Nun).
SN94	95.	Dull black stain (headband of #Mourning Nun).
SN95	96.	Wine-red stain (clothing of #Forsaken Lamb).
SN96	97.	Black fleece (head, body, hands, legs, ears of #Forsaken Lamb).
SN97	98.	Pink short pile plush (ears of #Forsaken Lamb).
SN98	99.	Light black woven (clothing of #Forsaken Lamb).
SN99	100.	Black lace (clothing of #Forsaken Lamb).
SN100	101.	Dark red embroidery thread (headband of #Secret) (sample weight: 26.7mg).
SN101	102.	White lace (clothing of #Secret).
SN102	103.	Dark white short pile plush (headband of #Secret).
SN103	104.	White cord (fastener of necklace of #Secret).



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Tests Conducted

Sequence No.	Test Component No.	Test Component Description(s)
SN104	105.	White short pile plush (head, body, hands of #Secret).
SN105	106.	Silver color metal (lock of ring of all styles).
SN106	107.	Silver color metal (hook of ring of all styles).
SN107	108.	Silver color metal (rivet of ring of all styles).
SN108	109.	Silver color metal (spring of ring of all styles).
SN109	110.	Silver color metal (screw of head of all styles) (internal).
SN110	111.	Light beige plastic (inner head of all styles) (internal).
SN111	112.	White plastic (buckle of hands, legs of #Crimson Doll, #Indigo Duchess, #Mourning Nun, #Secret) (internal).
SN112	113.	White fiber (inner body of all styles) (internal).
SN113	114.	White felt with adhesive (washer of hands, legs of #Crimson Doll, #Indigo Duchess, #Mourning Nun, #Secret) (internal).
SN114	115.	Light white mesh (lining of #Forsaken Lamb) (internal).
SN115	116.	Lime coating on plastic (part used for eyes of #Crimson Doll) (internal).
SN116	117.	Light sky blue coating on plastic (part used for eyes of #Crimson Doll) (internal).
SN117	118.	Sky blue coating on plastic (part used for eyes of #Crimson Doll) (internal).
SN118	119.	Pearlized grey coating on plastic (part used for eyes of #Crimson Doll, #Indigo Duchess, #Moonlight attendant, #Dark Eyed Enchantress, #Secret) (internal).
SN119	120.	Dull milky white coating on plastic (part used for eyes of #Crimson Doll, #Indigo Duchess, #Moonlight attendant, #Dark Eyed Enchantress, #Secret) (internal).
SN120	121.	Milky white coating on plastic (part used for eyes of #Crimson Doll, #Indigo Duchess, #Moonlight attendant, #Dark Eyed Enchantress, #Secret) (internal).
SN121	122.	Grass green coating on plastic (part used for eyes of #Indigo Duchess) (internal).
SN122	123.	Dark grass green coating on plastic (part used for eyes of #Indigo Duchess) (internal).
SN123	124.	Olive green coating on plastic (part used for eyes of #Indigo Duchess) (internal).
SN124	125.	Light orange coating on plastic (part used for eyes of #Indigo Duchess) (internal).
SN125	126.	Orange coating on plastic (part used for eyes of #Indigo Duchess) (internal).
SN126	127.	Dark orange coating on plastic (part used for eyes of #Indigo Duchess) (internal).
SN127	128.	Lavender coating on plastic (part used for eyes of #Moonlight attendant) (internal).
SN128	129.	Bright lavender coating on plastic (part used for eyes of #Moonlight attendant) (internal).
SN129	130.	Navy coating on plastic (part used for eyes of #Moonlight attendant) (internal).
SN130	131.	Dark navy coating on plastic (part used for eyes of #Moonlight attendant) (internal).
SN131	132.	Dark fuchsia coating on plastic (part used for eyes of #Dark Eyed Enchantress) (internal).
SN132	133.	Brown-red coating on plastic (part used for eyes of #Dark Eyed Enchantress) (internal).



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Tests Conducted

Sequence No.	Test Component No.	Test Component Description(s)
SN133	134.	Bright sky blue coating on plastic (part used for eyes of #Secret) (internal).
SN134	135.	Light royal blue coating on plastic (part used for eyes of #Secret) (internal).
SN135	136.	Dark royal blue coating on plastic (part used for eyes of #Secret) (internal).
SN136	137.	Dark sky blue coating on plastic (part used for eyes of #Crimson Doll) (internal).
SN137	138.	Light white plastic with multicolor coatings (hair of all styles).
SN138	139.	Flesh color plastic with multicolor coatings (face of all styles).
SN139	140.	Black brushed knit with purple coating (blinder of #Dark Eyed Enchantress).
SN140	141.	White plastic with pearlized white coating (necklace of #Secret).
SN141	142.	Transparent plastic with milky white coating (eyes of #Crimson Doll, #Indigo Duchess, #Moonlight attendant, #Dark Eyed Enchantress, #Secret).
SN142	143.	White plastic with multicolor coatings (eyes of #Crimson Doll, #Indigo Duchess, #Moonlight attendant, #Dark Eyed Enchantress, #Secret).
SN143	144.	Red short pile plush/red stain/dull red woven with black stitching thread logo (head, body, hands, woven logo, headband of #Crimson Doll).
SN144	145.	Black short pile plush/dull black woven with dark blue stitching thread logo/black woven with light grey stitching thread logo/dull black stain (head, body, hands, woven logo of #Indigo Duchess, #Mourning Nun, headband of #Mourning Nun).
SN145	146.	Light grey short pile plush/light grey woven with light purple stitching thread logo/slate grey brushed knit (head, body, hands, legs, woven logo, fastener of cloak of #Moonlight attendant).
SN146	147.	Dark purple short pile plush/black woven with orchid stitching thread logo/black brushed knit/dark black ribbon (head, body, hands, legs, woven logo, blinder of #Dark Eyed Enchantress).
SN147	148.	Black fleece/black woven with red stitching thread logo/pink short pile plush/black lace (head, body, hands, legs, ears, woven logo, clothing of #Forsaken Lamb).
SN148	149.	Dark white short pile plush/dark red embroidery thread/white cord (headband, fastener of necklace of #Secret).
SN149	150.	Purple coating (part used for blinder of #Dark Eyed Enchantress).

The sample weight in brackets were for soluble heavy elements analysis only.

@: Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.



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Tests Conducted



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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