



Test Report

No.: T52410280618TY

Date: MAY 17, 2024

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LIYOU INDUSTRIAL CO., LTD

YANGWAN INDUSTRIAL ZONE QIAOXIA TOWN YONGJIA COUNTY,ZHEJIANG,CHINA

The following samples were submitted and identified by/on behalf of the client as:

KID'S SWING AND SLIDE SET;
KID'S SLIDE SET;
TODDLER SLIDE AND CLIMBING SET

Item No. : LY-2889; LY-2889B; LY-2889C; LY-2889E; LY-2889G;
LY-2899; LY-2899B; LY-2899C; LY-2899E; LY-2899G

Supplier : LIYOU INDUSTRIAL CO., LTD

Manufacturer : LIYOU INDUSTRIAL CO., LTD

Manufacturer Address : YANGWAN INDUSTRIAL ZONE QIAOXIA TOWN
YONGJIA COUNTY,ZHEJIANG,CHINA

Country of Origin : CHINA

Labeled Age Grading : 1Yrs

Requested Age Grading : 1Yrs

Age Group Assessed by SGS As Per Age : OVER 12 MONTHS

Guideline

Age Group Applied in Testing : OVER 12 MONTHS

Sample Receiving Date : APR 08, 2024

Last Submission Sample Date : APR 28, 2024

Further Information Date : MAY 16, 2024

Testing Period : APR 08, 2024 TO MAY 17, 2024



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Test Requested		Conclusion
1.	For compliance with the European standard on Safety of toys:- (Except tools)	--
	EN 71-1:2014+A1:2018 – Safety of toys – Part 1: Mechanical and Physical Properties	PASS
	EN 71-2: 2020 – Safety of toys – Part 2: Flammability	PASS
	Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to Informative Annex A.26 and A.33 of the European standard on Safety of toys EN 71-1:2014+A1:2018 and the Directive 2009/48/EC-Safety of toys	SEE RESULT
	Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725, Commission Directive (EU) 2019/1922 – EN 71-3:2019 + A1:2021 – Migration of certain elements	PASS
2.	For compliance with the European standard on Safety of toys:- (Except tools)	--
	EN 71-8: 2018 – Safety of Toys – Part 8: Activity Toys for Domestic Use	PASS
3.	European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Cadmium content	PASS
4.	European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendment (EU) 2018/2005 – Phthalates content	PASS
5.	European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments including (EU) 2020/2096 – AZO Colourants	PASS
6.	European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendments – Polycyclic Aromatic Hydrocarbons (PAHs) Content	PASS



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Test Requested		Conclusion
7.	For compliance with the British Standard on Safety of toys:- (Except tools)	--
	BS EN 71-1:2014+A1:2018 – Safety of toys – Part 1: Mechanical and Physical Properties	PASS
	BS EN 71-2:2020 – Safety of toys – Part 2: Flammability	PASS
	Labeling requirement (Washing/Cleaning Label, UKCA marking or CE marking, importer/manufacture name and address, product identification) for the market of Great Britain (England, Wales and Scotland) with reference to the Toys (Safety) Regulations 2011	SEE RESULT
	The Toys (Safety) Regulations 2011 (S.I. 2011 No.1881) & its Amendments (including S.I. 2022 No.659) & Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725, Commission Directive (EU) 2019/1922 – BS EN / EN 71-3:2019 + A1:2021 – Migration of certain elements	PASS
8.	For compliance with the British standard on Safety of toys:-(Except tools)	--
	BS EN 71-8: 2018 –Safety of Toys – Part 8: Activity Toys for Domestic Use	PASS
9.	Product Safety Commission (AfPS), GS specification, Specification in accordance with § 21 Section 1 No. 3 ProdSG (Dated May 15, 2019) - Polycyclic Aromatic Hydrocarbon (PAHs) Content	PASS
10.	For compliance with the test requirement of ASTM F963-17Standard Consumer Safety Specification on Toy Safety. (Except tools)	--
	ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	PASS



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Test Requested		Conclusion
11.	For compliance with test requirement of the Physical & Mechanical, Flammability test requirement of Title 16, Code of Federal Regulations, Chapter II – Consumer Products Safety Commission of U.S.A (Except tools)	--
	Physical and mechanical tests consisting US CPSC 16 CFR 1500.48, US CPSC 16 CFR 1500.49 and US CPSC 16 CFR 1501: -US CPSC 16 CFR 1500.48 – Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of ages -US CPSC 16 CFR 1500.49 – Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age -US CPSC 16 CFR 1501 – Method for identifying toys and other articles intended for use by children under 3 years of age which present choking, aspiration, or ingestion hazards because of small parts	PASS
	US CPSC 16 CFR 1500.44 – Method for determining extremely flammable and flammable solids	PASS
12.	Title 16, Code of Federal Regulations, Chapter II - Consumer Products Safety Commission of U.S.A. - Part 1303 - Ban of Lead - Containing Paint and Certain Consumer Products Bearing Lead - Containing Paint – Lead Content	PASS
13.	Tracking label per 15 U.S.C. § 2063(a)(5) and Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.	PASS
14.	For compliance with the test requirement of ASTM F963-23Standard Consumer Safety Specification on Toy Safety (Except tools)	--
	ASTM F963-23 Standard Consumer Safety Specification for Toy Safety	PASS
15.	CPSIA section 101 - Total Lead content	--
	CPSIA section 101(f) (1) – Lead in paint/similar surface coating material	PASS
	CPSIA section 101(a) (2) – Lead in accessible substrate materials (Including Children's Metal Jewelry)	PASS



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Test Requested		Conclusion
16.	US 16 CFR Part 1307 – Phthalates	PASS
17.	For compliance with the test requirement of Toys Regulations (SOR/2011-17) of Canada Consumer Product Safety Act (S.C.2010, c. 21). (Except tools)	--
	Toys Regulations SOR/2011-17 of Canada Consumer Product Safety Act (S.C.2010, c. 21). (Including amendments SOR/2012-71, SOR/2016-195, SOR/2016-302 and SOR/2018-138 and SOR/2022-122)	PASS
18.	Canada Consumer Product Safety Act (S.C. 2010, c. 21), Consumer Products Containing Lead Regulations, SOR/2018-83 – Total Lead content	PASS
19.	Canada Surface Coating Materials Regulations (SOR/2016-193) (Including amendments SOR/2022-122) – Lead Content	PASS
20.	Canada Phthalates Regulation (SOR/2016-188) (formerly restricted under SOR/2010-298) – Phthalates content	PASS

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
SGS-CSTC Standards Technical
Services Co., Ltd. Shenzhen Branch Testing Center

Shelly

Aaron

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Jia Fengjuan, Shelly
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Sun Enxu, Aaron
Dept. Manager



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Results:

EUROPEAN STANDARD ON SAFETY OF TOYS

EN 71-1:2014 + A1:2018 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

AS SPECIFIED IN EN 71-1:2014 + A1:2018 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

Clauses relevant to the item:

Clause	Description	Result
4	General Requirements	
4.1	Materials cleanliness	PASS
4.2	Assembly	PASS
4.7	Edges	PASS
4.8	Points and Metallic Wires	PASS
4.15	Toys intended to bear the mass of a child	
4.15.4	Toys not propelled by a child	PASS
4.17	Projectile toys	PASS
5	Toys intended for Children under 36 months	
5.1	General Requirements	
5.1a	Small part requirement on toys & removable Components (Test method 8.2)	PASS
5.1b	Torque test (Test method 8.3)	PASS
5.1b	Tension test (Test method 8.4)	PASS
5.1b	Drop test (Test method 8.5)	PASS
5.1b	Tip over test (Test method 8.6)	PASS
5.1b	Impact test (Test method 8.7)	PASS
5.1b	Compression test (Test method 8.8)	PASS
5.1b	Sharp edge (Test method 8.11)	PASS
5.1b	Sharp point (Test method 8.12)	PASS
5.1d	Large and bulky toys	PASS
5.4	Cords, chains and electrical cables in toys	PASS
5.10	Small balls	PASS
6	Packaging	PASS



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Clause	Description	Result
7	Warnings, markings and instructions for use	
	Only English warnings were checked for the clause 7.	
7.1	General	PASS
	Note: Please note that for assessing the visibility and legibility of warnings, CEN has introduced good practice in the informative Annex A.33 by addressing the following aspects: a) Emphasising the warning b) Contrast, background and colours c) Reflecting surfaces and obscuring material d) Font type e) Font size f) Logical direction of text For more details, see EN 71-1.	
	According to 2009/48/EC, warnings and safety instructions shall be written in a language or languages easily understood by consumers.	

EN 71-2: 2020 – SAFETY OF TOYS – PART 2: FLAMMABILITY

AS SPECIFIED IN EN 71-2: 2020 – SAFETY OF TOYS – PART 2: FLAMMABILITY

Type of gas: Butane gas used in the test burner

Clauses relevant to the item:

Clause	Description	Result
4.1	General requirements	PASS



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LABELING REQUIREMENT (WASHING/CLEANING LABEL, CE MARK, IMPORTER / MANUFACTURER MARK (NAME, ADDRESS), PRODUCT IDENTIFICATION) ACCORDING TO INFORMATIVE ANNEX A.26 AND A.33 OF THE EUROPEAN STANDARD ON SAFETY OF TOYS EN 71-1:2014+A1:2018 AND THE DIRECTIVE 2009/48/EC-SAFETY OF TOYS

Summary table:

	Observation Result	Location
Washing/Cleaning instruction	Not Applicable	----
CE mark	Present	Toy & Packaging
Importer's Name & Address	Present	Toy
Manufacturer's Name & Address	Present	Toy & Packaging
Product ID	Present	Toy & Packaging

Note:

1. According to Directive 2009/48/EC, a toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned. According to the GUIDANCE DOCUMENT ON THE APPLICATION OF DIRECTIVE 2009/48/EC ON THE SAFETY OF TOYS, manufacturer shall not label "surface washing" on textile toys which, under the TSD, need to be soak washable."
2. CE marking should be visible from outside the packaging and its height must be at least 5mm.
3. Manufacturer's and Importer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.
4. Manufacturers must 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.



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Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725, Commission Directive (EU) 2019/1922 – EN 71-3:2019+A1:2021 – Migration of certain elements

Category III: Scraped-off toy material

Method: With reference to EN 71-3:2019+A1:2021. Analysis of general elements was performed by ICP-OES / Chromium (III) was obtained by calculation, chromium (VI) was analyzed by IC-UV-Vis or LC-ICP-MS / organic tin was analyzed by GC-MS.

Test Item(s)	Result(s)			MDL	Permissible Limit
Specimen No.	1	2	3	--	--
Mass of trace amount (mg)	/	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	ND	50	28130
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	5	17
Soluble Chromium ⁺ (Cr) (mg/kg)	ND	ND	ND	1	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	ND	50	46000



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Member of the SGS Group (SGS SA)

Test Report

No.: T52410280618TY

Date: MAY 17, 2024

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Test Item(s)	Result(s)			MDL	Permissible Limit
Specimen No.	4	5	6	--	--
Mass of trace amount (mg)	28.7	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	ND	50	28130
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	461	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	5	17
Soluble Chromium ⁺ (Cr) (mg/kg)	ND	ND	ND	1	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	92	ND	ND	50	46000



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Test Item(s)	Result(s)			MDL	Permissible Limit
Specimen No.	7	8	9	--	--
Mass of trace amount (mg)	/	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	ND	50	28130
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	5	17
Soluble Chromium ⁺ (Cr) (mg/kg)	ND	ND	ND	1	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	ND	50	46000



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Test Item(s)	Result(s)			MDL	Permissible Limit
Specimen No.	10	11	12	--	--
Mass of trace amount (mg)	/	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	ND	50	28130
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	5	17
Soluble Chromium ⁺ (Cr) (mg/kg)	ND	ND	ND	1	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	ND	50	46000



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Test Item(s)	Result(s)			MDL	Permissible Limit
Specimen No.	13	14	15	--	--
Mass of trace amount (mg)	/	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	ND	50	28130
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	5	17
Soluble Chromium ⁺ (Cr) (mg/kg)	ND	ND	ND	1	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	ND	50	46000



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Test Item(s)	Result(s)			MDL	Permissible Limit
Specimen No.	16	17	18	--	--
Mass of trace amount (mg)	/	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	ND	50	28130
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	5	17
Soluble Chromium ⁺ (Cr) (mg/kg)	ND	ND	ND	1	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	ND	50	46000



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Test Item(s)	Result(s)		MDL	Permissible Limit
Specimen No.	19	20	--	--
Mass of trace amount (mg)	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	50	28130
Soluble Antimony (Sb) (mg/kg)	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	5	17
Soluble Chromium ⁺ (Cr) (mg/kg)	ND	ND	1	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	0.010	0.053
Soluble Cobalt (Co) (mg/kg)	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	50	46000



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Test Item(s)	Result(s)		MDL	Permissible Limit
Specimen No.	21	22	--	--
Mass of trace amount (mg)	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	50	28130
Soluble Antimony (Sb) (mg/kg)	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	5	17
Soluble Chromium ⁺ (Cr) (mg/kg)	ND	ND	1	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	0.010	0.053
Soluble Cobalt (Co) (mg/kg)	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	50	46000



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Test Item(s)	Result(s)	MDL	Permissible Limit
Specimen No.	23	--	--
Mass of trace amount (mg)	/	--	--
Soluble Aluminium (Al) (mg/kg)	601	50	28130
Soluble Antimony (Sb) (mg/kg)	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	5	17
Soluble Chromium ⁺ (Cr) (mg/kg)	ND	1	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	0.010	0.053
Soluble Cobalt (Co) (mg/kg)	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	50	46000



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Specimen Description:

1. Dark brown soft plastic (Basketball)
2. Transparent soft plastic (Basketball)
3. Light grey soft plastic (Accessory)
4. Black coating on soft plastic (Basketball)
5. Grey coating on metal (Body)
6. White plastic (Body)
7. Light grey plastic (Body)
8. Yellow plastic (Body)
9. Bright yellow plastic (Body)
10. Dull yellow plastic (Body)
11. Green plastic (Body)
12. Light silvery-grey plastic (Body)
13. Grey plastic (Connector)
14. Dark grey plastic (Connector)
15. Light grey-silvery plastic (Connector)
16. Pearl grey plastic (Telescope)
17. Transparent plastic (Telescope)
18. Warm grey plastic (Accessory)
19. Black plastic (Accessory)
20. Red plastic (Accessory)
21. Cyan woven cord (Accessory)
22. White woven cord (Accessory)
23. White paper label w/ multi-color coating (Sticker)



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- Note:
- mg/kg = milligram per kilogram
 - mg = milligram
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - 1% = 10000 mg/kg = 10000 ppm
 - + Soluble Chromium is not restricted by EN 71-3:2019+A1:2021, results shown only for reference

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- * = Exceeds Permissible Limit



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EN 71-8:2018

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS EN 71 PART 8: 2018 ACTIVITY TOYS FOR DOMESTIC USE.

Clauses Relevant to Sample.

Clause	Description	Results
4	Requirements	
4.1	General	
4.1.1	Assembly	PASS
4.1.2	Static strength	PASS
4.1.3	Maximum height	PASS
4.1.4	Corners and edges	PASS
4.1.5	Protruding parts	PASS
4.1.7	Water accumulation	PASS
4.3	Entrapment	
4.3.1	Entrapment of Head and neck	PASS
4.3.2	Entrapment of clothing and hair	PASS
4.5	Slides	
4.5.1	General	PASS
4.5.2	Stability of slides	PASS
4.5.3	Retaining sides for slides	PASS
4.5.4	Starting, sliding and run-out section on slides	PASS
4.6	Swings	
4.6.1	Stability of swings and other activity toys with crossbeams	PASS
4.6.2	Static strength of crossbeams, swing devices and suspension connectors	PASS
4.6.3	Swings intended for children under 36 months	PASS
4.6.6	Minimum clearance between swing elements and the ground	PASS
4.6.7	Suspension connectors and swing devices	PASS
5	Warnings, markings, and instructions	
5.1	Warnings and markings	PASS
5.2	Assembly and installation instructions	PASS
5.3	Maintenance	PASS



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European Regulation (EC) No. 1907/2006 (REACH), Annex XVII and its Amendments – Cadmium Content

Method: With reference to CPSC-CH-E1003-09.1 / CPSC-CH-E1002-08.3 / CPSC-CH-E1001-08.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) / Atomic Absorption Spectrometer (AAS)

For Plastic

Test Item(s)			Cadmium (Cd)
Permissible Limit (mg/kg)			100
Specimen Description	Alias No.	Tracing No.	Result(s) (mg/kg)
1. Cream rubber (Squeaker)	1	1	ND
2. Dark brown soft plastic (Basketball) + Transparent soft plastic (Basketball) + Light grey soft plastic (Accessory)	16	1	ND
3. White plastic (Body) + Light grey plastic (Body) + Yellow plastic (Body)	16	2	ND
4. Bright yellow plastic (Body) + Dull yellow plastic (Body) + Green plastic (Body)	16	3	ND
5. Light silvery-grey plastic (Body) + Grey plastic (Connector) + Dark grey plastic (Connector)	16	4	ND
6. Light grey-silvery plastic (Connector) + Pearl grey plastic (Telescope) + Transparent plastic (Telescope)	16	5	ND
7. Warm grey plastic (Accessory) + Black plastic (Accessory) + Red plastic (Accessory)	16	6	ND
8. Red plastic (Pump) + Snow white plastic (Pump)	16	7	ND
9. White paper label (Sticker)	01T-1	1	ND
10. Black plastic (Pump) (Submitted on Apr 28, 2024)	01T-1	2	ND
11. Translucent white rubber ring (Washer) (Submitted on Apr 28, 2024)	01T-22	1	ND



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For Paint on Painted Article

Test Item(s)			Cadmium (Cd)
Permissible Limit (mg/kg)			1000
Specimen Description	Alias No.	Tracing No.	Result(s) (mg/kg)
1. Grey coating on metal (Body) w/ Black coating on soft plastic (Basketball)	9	1	ND
2. Multi-color coating on paper label (Sticker)	01T-2	1	ND

- Note:
- Permissible and Reference Limit specified by Commission Regulation (EU) No 494/2011 & Commission Regulation (EU) No 2016/217 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under entry 23 of Regulation (EC) No 552/2009 and directive 91/338/EC).
 - mg/kg = milligram per kilogram
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit = 5 mg/kg
 - 1% = 10000 mg/kg = 10000 ppm

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- ^Δ Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component
- * Exceeds Permissible or Reference Limit



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European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendment (EU) 2018/2005 – Phthalate content

Method: With reference to CPSC-CH-C1001-09.4

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS) / High Performance Liquid Chromatography with Mass Spectrometer (HPLC-MS)

Materials can be placed in the mouth for toys & childcare articles

Test Item(s)	CAS No.	Result (s) (%)			MDL (%)	Permissible Limit (%)
Alias No.	--	21	21	21		
Tracing No.	--	1	2	3		
Specimen No.	--	1	2	3		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	0.010	--
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	ND	ND	0.003	--
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	0.010	--
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	0.003	0.1
Total (DBP+BBP+DEHP+DIBP)		ND	ND	ND	--	0.1
Total (DINP+DNOP+DIDP)		ND	ND	ND	--	0.1



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Test Item(s)	CAS No.	Result (s) (%)		MDL (%)	Permissible Limit (%)
Alias No.	--	21	21		
Tracing No.	--	4	5		
Specimen No.	--	4	5		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	0.010	--
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	ND	0.003	--
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	0.010	--
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.003	0.1
Total (DBP+BBP+DEHP+DIBP)		ND	ND	--	0.1
Total (DINP+DNOP+DIDP)		ND	ND	--	0.1

Test Item(s)	CAS No.	Result (s) (%)		MDL (%)	Permissible Limit (%)
Alias No.	--	21	21		
Tracing No.	--	6	7		
Specimen No.	--	6	7		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	0.010	--
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	ND	0.003	--
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	0.010	--
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.003	0.1
Total (DBP+BBP+DEHP+DIBP)		ND	ND	--	0.1
Total (DINP+DNOP+DIDP)		ND	ND	--	0.1



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Test Item(s)	CAS No.	Result (s) (%)		MDL (%)	Permissible Limit (%)
Alias No.	--	01T-3	01T-3		
Tracing No.	--	1	2		
Specimen No.	--	8	9		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	0.010	--
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	ND	0.003	--
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	0.010	--
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.003	0.1
Total (DBP+BBP+DEHP+DIBP)		ND	ND	--	0.1
Total (DINP+DNOP+DIDP)		ND	ND	--	0.1

Specimen Description:

1. Dark brown soft plastic (Basketball) + Transparent soft plastic (Basketball) + Light grey soft plastic (Accessory)
2. Black coating on soft plastic (Basketball) + Grey coating on metal (Body)
3. White plastic (Body) + Light grey plastic (Body) + Yellow plastic (Body)
4. Bright yellow plastic (Body) + Dull yellow plastic (Body) + Green plastic (Body)
5. Light silvery-grey plastic (Body) + Grey plastic (Connector) + Dark grey plastic (Connector)
6. Light grey-silvery plastic (Connector) + Pearl grey plastic (Telescope) + Transparent plastic (Telescope)
7. Red plastic (Accessory) + Warm grey plastic (Accessory) + Black plastic (Accessory)
8. White paper label (Sticker)
9. Multi-color coating on paper label (Sticker)



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Materials can not be placed in the mouth for toys & childcare articles or plasticized material in the other article.

Test Item(s)	CAS No.	Result (s) (%)		MDL (%)	Permissible Limit (%)
Alias No.	--	21	21		
Tracing No.	--	8	9		
Specimen No.	--	1	2		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.003	0.1
Total (DBP+BBP+DEHP+DIBP)		ND	ND	--	0.1

Test Item(s)	CAS No.	Result (s) (%)		MDL (%)	Permissible Limit (%)
Alias No.	--	01T-3	01T-3		
Tracing No.	--	3	4		
Specimen No.	--	3	4		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.003	0.1
Total (DBP+BBP+DEHP+DIBP)		ND	ND	--	0.1

Specimen Description:

1. Red plastic (Pump) + Snow white plastic (Pump)
2. Cream rubber (Squeaker)
3. Black plastic (Pump) (Submitted on Apr 28, 2024)
4. Translucent white rubber ring (Washer) (Submitted on Apr 28, 2024)



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- Note:
- ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - % = percentage by weight

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- ^Δ Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component
- * Exceeds Permissible Limit



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European Regulation (EC) No. 1907/2006 (REACH) Annex XVII and its amendment including (EU) 2020/2096 – AZO Colourants

Method: With reference to EN ISO 14362-1:2017 / EN ISO 14362-3:2017 / § 64 LFGB, BVL B 82.02-2:2013 / § 64 LFGB, BVL B 82.02-15:2013

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS) / High Performance Liquid Chromatography with Diode Array Detector (HPLC-DAD)

No. Forbidden Amines Substances		CAS-No.	Result (mg/kg)		MDL (mg/kg)	Permissible Limit (mg/kg)
			1			
			Direct reduction	Colorant extraction		
1.	4-Aminodiphenyl	92-67-1	ND	ND	5	30
2.	Benzidine	92-87-5	ND	ND	5	30
3.	4-Chloro- <i>o</i> -toluidine	95-69-2	ND	ND	5	30
4.	2-Naphthylamine	91-59-8	ND	ND	5	30
5.	<i>o</i> -Aminoazotoluene	97-56-3	ND	ND	5	30
6.	5-nitro- <i>o</i> -toluidine	99-55-8	ND	ND	5	30
7.	4-Chloroaniline	106-47-8	ND	ND	5	30
8.	2,4-Diaminoanisole	615-05-4	ND	ND	5	30
9.	4,4'-Diaminodiphenylmethane, MDA	101-77-9	ND	ND	5	30
10.	3,3'-Dichlorobenzidine	91-94-1	ND	ND	5	30
11.	3,3'-Dimethoxybenzidine	119-90-4	ND	ND	5	30
12.	3,3'-Dimethylbenzidine	119-93-7	ND	ND	5	30
13.	4,4'-methylenedi- <i>o</i> -toluidine	838-88-0	ND	ND	5	30
14.	<i>p</i> -Cresidine	120-71-8	ND	ND	5	30
15.	4,4'-Methylene-bis-(2-chloro-aniline)	101-14-4	ND	ND	5	30
16.	4,4'-Oxydianiline	101-80-4	ND	ND	5	30
17.	4,4'-Thiodianiline	139-65-1	ND	ND	5	30
18.	<i>o</i> -Toluidine	95-53-4	ND	ND	5	30
19.	2,4-Diaminotoluene, TDA	95-80-7	ND	ND	5	30
20.	2,4,5-Trimethylaniline	137-17-7	ND	ND	5	30
21.	4-Aminoazobenzene	60-09-3	ND	ND	5	30
22.	2-methoxyaniline	90-04-0	ND	ND	5	30

Specimen Description:

1. Cyan woven cord (Accessory)



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- Note:
- mg/kg = milligram per kilogram
 - MDL = Method Detection Limit
 - ND = Not Detected (lower than MDL)
 - Direct reduction refers to the extraction and reduction according to EN ISO 14362-1:2017 clause 10.2 and relevant clauses.
 - Colorant extraction refers to the colourant extraction and subsequent reduction according to EN ISO 14362-1:2017 clause 10.1 and relevant clauses.
 - EN ISO 14362-1:2017 will enable further cleavage of 4-AAB (CAS No. 60-09-3) to non-forbidden amines: aniline and p-phenylenediamine. If aniline and/or p-phenylenediamine is not found, 4-AAB is considered as "ND" (i.e. <5.0 mg/kg). Otherwise, EN ISO 14362-3:2017 will be employed to verify the presence of 4-AAB.
 - 4-Aminodiphenyl (CAS No. 92-67-1), 2-Naphthylamine (CAS No. 91-59-8) and 2,4-Diaminoanisole (CAS No. 615-05-4) can be indirectly generated from some colorants which do not contain these amines azo bound. The use of banned azo colorants cannot be reliably ascertained without additional information.
 - In case PU is used, e.g. PU Foams or coatings, it cannot be ruled out that MDA (CAS No. 101-77-9) and TDA (CAS No. 95-80-7) can be released from PU material, not from banned azo colorant. Similarly, for pigment prints, MDA will be released from a chemical fixing agent.

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- -- = Test method is not applicable due to identified specimen nature with respect to method(s).
- @ = The amine was detected according to EN ISO 14362-1:2017 with the reducing agent. A similar result was obtained from the procedure carried out without the reducing agent. According to EN ISO 14362-1:2017 Annex C.2.1.2.2, the amine originated from a source other than azo colorants.
- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- ^ = The amine was detected according to EN ISO 14362-1:2017 with the reducing agent. Confirmation procedure was carried out without reducing agent, according to EN ISO 14362-1:2017 Annex C.2.1.2.2, the amine originated from azo colorants.
- Δ = Pass/Fail cannot be given due to the presence of substance(s) is between 5–30mg/kg. Detected substance(s) may come from one or more component(s) in composite testing. Individual testing of mixed components is highly recommended.
- * Exceeds Permissible Limit



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European Regulation (EC) No. 1907/2006 (REACH), Annex XVII and its Amendments – PAHs Content

Method: With reference to AfPS GS 2019:01 PAK method.

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

For Consumer product

Test Item(s)	CAS No.	Result(s) (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	1	2	3		
Alias No.	--	01T-5	26	26		
Tracing No.	--	3	19	22		
1. Benzo[a]anthracene	56-55-3	ND	ND	ND	0.1	1.0
2. Chrysene	218-01-9	ND	ND	ND	0.1	1.0
3. Benzo[b]fluoranthene	205-99-2	ND	ND	ND	0.1	1.0
4. Benzo[k]fluoranthene	207-08-9	ND	ND	ND	0.1	1.0
5. Benzo[j]fluoranthene	205-82-3	ND	ND	ND	0.1	1.0
6. Benzo[a]pyrene	50-32-8	ND	ND	ND	0.1	1.0
7. Benzo[e]pyrene	192-97-2	ND	ND	ND	0.1	1.0
8. Dibenzo[a,h]anthracene	53-70-3	ND	ND	ND	0.1	1.0

Specimen Description:

1. Black plastic (Pump) (Submitted on Apr 28, 2024)
2. Red plastic (Pump)
3. Snow white plastic (Pump)

For Toy or childcare product

Test Item(s)	CAS No.	Result(s) (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	1	2	3		
Alias No.	--	26	26	26		
Tracing No.	--	1	2	3		
1. Benzo[a]anthracene	56-55-3	ND	ND	ND	0.1	0.5
2. Chrysene	218-01-9	ND	ND	ND	0.1	0.5
3. Benzo[b]fluoranthene	205-99-2	ND	ND	ND	0.1	0.5
4. Benzo[k]fluoranthene	207-08-9	ND	ND	ND	0.1	0.5
5. Benzo[j]fluoranthene	205-82-3	ND	ND	ND	0.1	0.5
6. Benzo[a]pyrene	50-32-8	ND	ND	ND	0.1	0.5
7. Benzo[e]pyrene	192-97-2	ND	ND	ND	0.1	0.5
8. Dibenzo[a,h]anthracene	53-70-3	ND	ND	ND	0.1	0.5



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Test Item(s)	CAS No.	Result(s) (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	4	5	6		
Alias No.	--	26	26	26		
Tracing No.	--	4	5	6		
1. Benzo[a]anthracene	56-55-3	ND	ND	ND	0.1	0.5
2. Chrysene	218-01-9	ND	ND	ND	0.1	0.5
3. Benzo[b]fluoranthene	205-99-2	ND	ND	ND	0.1	0.5
4. Benzo[k]fluoranthene	207-08-9	ND	ND	ND	0.1	0.5
5. Benzo[j]fluoranthene	205-82-3	ND	ND	ND	0.1	0.5
6. Benzo[a]pyrene	50-32-8	ND	ND	ND	0.1	0.5
7. Benzo[e]pyrene	192-97-2	ND	ND	ND	0.1	0.5
8. Dibenzo[a,h]anthracene	53-70-3	ND	ND	ND	0.1	0.5

Test Item(s)	CAS No.	Result(s) (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	7	8	9		
Alias No.	--	26	26	26		
Tracing No.	--	7	8	9		
1. Benzo[a]anthracene	56-55-3	ND	ND	ND	0.1	0.5
2. Chrysene	218-01-9	ND	ND	ND	0.1	0.5
3. Benzo[b]fluoranthene	205-99-2	ND	ND	ND	0.1	0.5
4. Benzo[k]fluoranthene	207-08-9	ND	ND	ND	0.1	0.5
5. Benzo[j]fluoranthene	205-82-3	ND	ND	ND	0.1	0.5
6. Benzo[a]pyrene	50-32-8	ND	ND	ND	0.1	0.5
7. Benzo[e]pyrene	192-97-2	ND	ND	ND	0.1	0.5
8. Dibenzo[a,h]anthracene	53-70-3	ND	ND	ND	0.1	0.5

Test Item(s)	CAS No.	Result(s) (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	10	11	12		
Alias No.	--	26	26	26		
Tracing No.	--	10	11	12		
1. Benzo[a]anthracene	56-55-3	ND	ND	ND	0.1	0.5
2. Chrysene	218-01-9	ND	ND	ND	0.1	0.5
3. Benzo[b]fluoranthene	205-99-2	ND	ND	ND	0.1	0.5
4. Benzo[k]fluoranthene	207-08-9	ND	ND	ND	0.1	0.5
5. Benzo[j]fluoranthene	205-82-3	ND	ND	ND	0.1	0.5
6. Benzo[a]pyrene	50-32-8	ND	ND	ND	0.1	0.5
7. Benzo[e]pyrene	192-97-2	ND	ND	ND	0.1	0.5
8. Dibenzo[a,h]anthracene	53-70-3	ND	ND	ND	0.1	0.5



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Test Item(s)	CAS No.	Result(s) (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	13	14	15		
Alias No.	--	26	26	26		
Tracing No.	--	13	14	15		
1. Benzo[a]anthracene	56-55-3	ND	ND	ND	0.1	0.5
2. Chrysene	218-01-9	ND	ND	ND	0.1	0.5
3. Benzo[b]fluoranthene	205-99-2	ND	ND	ND	0.1	0.5
4. Benzo[k]fluoranthene	207-08-9	ND	ND	ND	0.1	0.5
5. Benzo[j]fluoranthene	205-82-3	ND	ND	ND	0.1	0.5
6. Benzo[a]pyrene	50-32-8	ND	ND	ND	0.1	0.5
7. Benzo[e]pyrene	192-97-2	ND	ND	ND	0.1	0.5
8. Dibenzo[a,h]anthracene	53-70-3	ND	ND	ND	0.1	0.5

Test Item(s)	CAS No.	Result(s) (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	16	17		
Alias No.	--	26	26		
Tracing No.	--	16	17		
1. Benzo[a]anthracene	56-55-3	ND	ND	0.1	0.5
2. Chrysene	218-01-9	ND	ND	0.1	0.5
3. Benzo[b]fluoranthene	205-99-2	ND	ND	0.1	0.5
4. Benzo[k]fluoranthene	207-08-9	ND	ND	0.1	0.5
5. Benzo[j]fluoranthene	205-82-3	ND	ND	0.1	0.5
6. Benzo[a]pyrene	50-32-8	ND	ND	0.1	0.5
7. Benzo[e]pyrene	192-97-2	ND	ND	0.1	0.5
8. Dibenzo[a,h]anthracene	53-70-3	ND	ND	0.1	0.5

Test Item(s)	CAS No.	Result(s) (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	18	19		
Alias No.	--	26	26		
Tracing No.	--	20	21		
1. Benzo[a]anthracene	56-55-3	ND	ND	0.1	0.5
2. Chrysene	218-01-9	ND	ND	0.1	0.5
3. Benzo[b]fluoranthene	205-99-2	ND	ND	0.1	0.5
4. Benzo[k]fluoranthene	207-08-9	ND	ND	0.1	0.5
5. Benzo[j]fluoranthene	205-82-3	ND	ND	0.1	0.5
6. Benzo[a]pyrene	50-32-8	ND	ND	0.1	0.5
7. Benzo[e]pyrene	192-97-2	ND	ND	0.1	0.5
8. Dibenzo[a,h]anthracene	53-70-3	ND	ND	0.1	0.5



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Test Item(s)	CAS No.	Result(s) (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	20	21		
Alias No.	--	01T-5	01T-5		
Tracing No.	--	1	2		
1. Benzo[a]anthracene	56-55-3	ND	ND	0.1	0.5
2. Chrysene	218-01-9	ND	ND	0.1	0.5
3. Benzo[b]fluoranthene	205-99-2	ND	ND	0.1	0.5
4. Benzo[k]fluoranthene	207-08-9	ND	ND	0.1	0.5
5. Benzo[j]fluoranthene	205-82-3	ND	ND	0.1	0.5
6. Benzo[a]pyrene	50-32-8	ND	ND	0.1	0.5
7. Benzo[e]pyrene	192-97-2	ND	ND	0.1	0.5
8. Dibenzo[a,h]anthracene	53-70-3	ND	ND	0.1	0.5

Specimen Description:

- Grey coating on metal (Body) w/ Black coating on soft plastic (Basketball)
- White plastic (Body)
- Light grey plastic (Body)
- Yellow plastic (Body)
- Bright yellow plastic (Body)
- Dull yellow plastic (Body)
- Green plastic (Body)
- Grey plastic (Connector)
- Dark grey plastic (Connector)
- Warm grey plastic (Accessory)
- Black plastic (Accessory)
- Red plastic (Accessory)
- Dark brown soft plastic (Basketball)
- Transparent soft plastic (Basketball)
- Light grey-silvery plastic (Connector)
- Pearl grey plastic (Telescope)
- Transparent plastic (Telescope)
- Light silvery-grey plastic (Body) + Light grey soft plastic (Accessory)
- Cyan woven cord (Accessory) + White woven cord (Accessory)



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Specimen Description:

20. White paper label (Sticker)

21. Multi-color coating on paper label (Sticker)

- Note:
- ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - mg/kg = milligram per kilogram

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- ^Δ Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component
- * Exceeds limit



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BRITISH STANDARD ON SAFETY OF TOYS
BS EN 71-1:2014+A1:2018 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

AS SPECIFIED IN BS EN 71-1:2014+A1:2018 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

Clauses relevant to the item:

Clause	Description	Result
4	General Requirements	
4.1	Materials cleanliness	PASS
4.2	Assembly	PASS
4.7	Edges	PASS
4.8	Points and Metallic Wires	PASS
4.15	Toys intended to bear the mass of a child	
4.15.4	Toys not propelled by a child	PASS
4.17	Projectile toys	PASS
5	Toys intended for Children under 36 months	
5.1	General Requirements	
5.1a	Small part requirement on toys & removable Components (Test method 8.2)	PASS
5.1b	Torque test (Test method 8.3)	PASS
5.1b	Tension test (Test method 8.4)	PASS
5.1b	Drop test (Test method 8.5)	PASS
5.1b	Tip over test (Test method 8.6)	PASS
5.1b	Impact test (Test method 8.7)	PASS
5.1b	Compression test (Test method 8.8)	PASS
5.1b	Sharp edge (Test method 8.11)	PASS
5.1b	Sharp point (Test method 8.12)	PASS
5.1d	Large and bulky toys	PASS
5.4	Cords, chains and electrical cables in toys	PASS
5.10	Small balls	PASS
6	Packaging	PASS



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Clause	Description	Result
7	Warnings, markings and instructions for use	
7.1	General	PASS
	Note: Please note that for assessing the visibility and legibility of warnings, CEN has introduced good practice in the informative Annex A.33 by addressing the following aspects: a) Emphasising the warning b) Contrast, background and colours c) Reflecting surfaces and obscuring material d) Font type e) Font size f) Logical direction of text For more details, see EN 71-1.	

BS EN 71-2:2020 – SAFETY OF TOYS – PART 2: FLAMMABILITY

AS SPECIFIED IN BS EN 71-2:2020 – SAFETY OF TOYS – PART 2: FLAMMABILITY

Type of gas: Butane gas used in the test burner

Clauses relevant to the item:

Clause	Description	Result
4.1	General requirements	PASS



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LABELING REQUIREMENT (WASHING/CLEANING LABEL, UKCA MARKING OR CE MARKING, IMPORTER/MANUFACTURER NAME AND ADDRESS, PRODUCT IDENTIFICATION) FOR THE MARKET OF GREAT BRITAIN (ENGLAND, WALES AND SCOTLAND) WITH REFERENCE TO THE TOYS (SAFETY) REGULATIONS 2011

Summary table:

	Observation Result	Location
Washing/Cleaning instruction	Not Applicable	----
UKCA marking or CE marking	Present	Toy & Packaging
Importer's Name & Address	Present	Toy
Manufacturer's Name & Address	Present	Toy & Packaging
Product ID	Present	Toy & Packaging

Note:

1. A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soaked.
2. The UKCA marking should be affixed visibly, legibly and indelibly. UKCA marking should be visible from outside the packaging and its height must be at least 5mm.
3. Manufacturer's and Importer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.
4. Manufacturers must ensure that their toys bear a type, batch, serial or model number or other information enabling the toy to be identified, or where the size or nature of the toy precludes the information from being marked on the toy that the required information is provided on the packaging or in a document accompanying the toy.
5. Until 31 December 2027, the UKCA marking may be affixed to a document accompanying the toy. Where toys are too small or consist of small parts, the UKCA marking may be affixed to a label which is not affixed to the toy or a leaflet which accompanies the toy.
6. Until 31 December 2027, for the importers who imported the toy from an EEA state or Switzerland, are temporarily permitted to indicate their name, registered trade name or registered trade mark and a postal address on the toy's packaging or in a document accompanying the toy, instead of on the toy itself.
7. Until 11pm 31 December 2024, toys conforming to EU rules, including the CE marking, may be placed on the market of Great Britain. And on 24 January 2024, the UK government announced that it intends to legislate to continue recognition of EU requirements, including the CE marking, indefinitely for a range of product regulations in spring 2024.



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The Toys (Safety) Regulations 2011 (S.I. 2011 No.1881) & its Amendments (including S.I. 2022 No.659) & Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2018/725, Commission Directive (EU) 2019/1922 – BS EN / EN 71-3:2019+A1:2021 – Migration of certain elements

Category III: Scraped-off toy material

Method: With reference to BS EN / EN 71-3:2019+A1:2021. Analysis of general elements was performed by ICP-OES / Chromium (III) was obtained by calculation, chromium (VI) was analyzed by IC-UV-Vis or LC-ICP-MS / organic tin was analyzed by GC-MS.

Test Item(s)	Result(s)			MDL	Permissible Limit
Specimen No.	1	2	3	--	--
Mass of trace amount (mg)	/	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	ND	50	28130
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	5	17
Soluble Chromium ⁺ (Cr) (mg/kg)	ND	ND	ND	1	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	ND	50	46000



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Member of the SGS Group (SGS SA)

Test Report

No.: T52410280618TY

Date: MAY 17, 2024

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Test Item(s)	Result(s)			MDL	Permissible Limit
Specimen No.	4	5	6	--	--
Mass of trace amount (mg)	28.7	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	ND	50	28130
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	461	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	5	17
Soluble Chromium ⁺ (Cr) (mg/kg)	ND	ND	ND	1	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	92	ND	ND	50	46000



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Shenzhen Branch Testing Center Hardlines

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Test Item(s)	Result(s)			MDL	Permissible Limit
Specimen No.	7	8	9	--	--
Mass of trace amount (mg)	/	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	ND	50	28130
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	5	17
Soluble Chromium ⁺ (Cr) (mg/kg)	ND	ND	ND	1	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	ND	50	46000



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Test Item(s)	Result(s)			MDL	Permissible Limit
Specimen No.	10	11	12	--	--
Mass of trace amount (mg)	/	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	ND	50	28130
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	5	17
Soluble Chromium ⁺ (Cr) (mg/kg)	ND	ND	ND	1	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	ND	50	46000



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Test Item(s)	Result(s)			MDL	Permissible Limit
Specimen No.	13	14	15	--	--
Mass of trace amount (mg)	/	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	ND	50	28130
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	5	17
Soluble Chromium ⁺ (Cr) (mg/kg)	ND	ND	ND	1	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	ND	50	46000



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Test Item(s)	Result(s)			MDL	Permissible Limit
Specimen No.	16	17	18	--	--
Mass of trace amount (mg)	/	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	ND	50	28130
Soluble Antimony (Sb) (mg/kg)	ND	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	ND	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	ND	5	17
Soluble Chromium ⁺ (Cr) (mg/kg)	ND	ND	ND	1	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	ND	0.010	0.053
Soluble Cobalt (Co) (mg/kg)	ND	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	ND	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	ND	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	ND	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	ND	50	46000



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Test Item(s)	Result(s)		MDL	Permissible Limit
Specimen No.	19	20	--	--
Mass of trace amount (mg)	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	50	28130
Soluble Antimony (Sb) (mg/kg)	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	5	17
Soluble Chromium ⁺ (Cr) (mg/kg)	ND	ND	1	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	0.010	0.053
Soluble Cobalt (Co) (mg/kg)	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	50	46000



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Test Item(s)	Result(s)		MDL	Permissible Limit
Specimen No.	21	22	--	--
Mass of trace amount (mg)	/	/	--	--
Soluble Aluminium (Al) (mg/kg)	ND	ND	50	28130
Soluble Antimony (Sb) (mg/kg)	ND	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	ND	5	17
Soluble Chromium ⁺ (Cr) (mg/kg)	ND	ND	1	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	ND	0.010	0.053
Soluble Cobalt (Co) (mg/kg)	ND	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	ND	50	46000



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Test Item(s)	Result(s)	MDL	Permissible Limit
Specimen No.	23	--	--
Mass of trace amount (mg)	/	--	--
Soluble Aluminium (Al) (mg/kg)	601	50	28130
Soluble Antimony (Sb) (mg/kg)	ND	10	560
Soluble Arsenic (As) (mg/kg)	ND	10	47
Soluble Barium (Ba) (mg/kg)	ND	50	18750
Soluble Boron (B) (mg/kg)	ND	50	15000
Soluble Cadmium (Cd) (mg/kg)	ND	5	17
Soluble Chromium ⁺ (Cr) (mg/kg)	ND	1	--
Soluble Chromium (III) (Cr (III)) (mg/kg)	ND	1	460
Soluble Chromium (VI) (Cr (VI)) (mg/kg)	ND	0.010	0.053
Soluble Cobalt (Co) (mg/kg)	ND	10	130
Soluble Copper (Cu) (mg/kg)	ND	50	7700
Soluble Lead (Pb) (mg/kg)	ND	2.3	23
Soluble Manganese (Mn) (mg/kg)	ND	50	15000
Soluble Mercury (Hg) (mg/kg)	ND	10	94
Soluble Nickel (Ni) (mg/kg)	ND	10	930
Soluble Selenium (Se) (mg/kg)	ND	10	460
Soluble Strontium (Sr) (mg/kg)	ND	50	56000
Soluble Tin (Sn) (mg/kg)	ND	3.0	180000
Soluble Organic Tin -- (mg/kg)	ND	--	12
Soluble Zinc (Zn) (mg/kg)	ND	50	46000



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Specimen Description:

1. Dark brown soft plastic (Basketball)
2. Transparent soft plastic (Basketball)
3. Light grey soft plastic (Accessory)
4. Black coating on soft plastic (Basketball)
5. Grey coating on metal (Body)
6. White plastic (Body)
7. Light grey plastic (Body)
8. Yellow plastic (Body)
9. Bright yellow plastic (Body)
10. Dull yellow plastic (Body)
11. Green plastic (Body)
12. Light silvery-grey plastic (Body)
13. Grey plastic (Connector)
14. Dark grey plastic (Connector)
15. Light grey-silvery plastic (Connector)
16. Pearl grey plastic (Telescope)
17. Transparent plastic (Telescope)
18. Warm grey plastic (Accessory)
19. Black plastic (Accessory)
20. Red plastic (Accessory)
21. Cyan woven cord (Accessory)
22. White woven cord (Accessory)
23. White paper label w/ multi-color coating (Sticker)



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- Note:
- mg/kg = milligram per kilogram
 - mg = milligram
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - 1% = 10000 mg/kg = 10000 ppm
 - + Soluble Chromium is not restricted by BS EN / EN 71-3:2019+A1:2021, results shown only for reference

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- * Exceeds Permissible Limit



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BS EN 71-8:2018

AS SPECIFIED IN BRITISH STANDARD ON SAFETY OF TOYS BS EN 71 PART 8: 2018 ACTIVITY TOYS FOR DOMESTIC USE.

Clauses Relevant to Sample.

Clause	Description	Results
4	Requirements	
4.1	General	
4.1.1	Assembly	PASS
4.1.2	Static strength	PASS
4.1.3	Maximum height	PASS
4.1.4	Corners and edges	PASS
4.1.5	Protruding parts	PASS
4.1.7	Water accumulation	PASS
4.3	Entrapment	
4.3.1	Entrapment of Head and neck	PASS
4.3.2	Entrapment of clothing and hair	PASS
4.5	Slides	
4.5.1	General	PASS
4.5.2	Stability of slides	PASS
4.5.3	Retaining sides for slides	PASS
4.5.4	Starting, sliding and run-out section on slides	PASS
4.6	Swings	
4.6.1	Stability of swings and other activity toys with crossbeams	PASS
4.6.2	Static strength of crossbeams, swing devices and suspension connectors	PASS
4.6.3	Swings intended for children under 36 months	PASS
4.6.6	Minimum clearance between swing elements and the ground	PASS
4.6.7	Suspension connectors and swing devices	PASS
5	Warnings, markings, and instructions	
5.1	Warnings and markings	PASS
5.2	Assembly and installation instructions	PASS
5.3	Maintenance	PASS



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Product Safety Commission (AfPS), GS specification, Specification in accordance with § 21 Section 1 No. 3 ProdSG (Dated May 15, 2019)- Polycyclic Aromatic Hydrocarbon (PAHs) Content

Method: With reference to AfPS GS 2019:01 PAK method.

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS)

Category 1: Materials intended to be placed in the mouth or materials coming into long-term contact with skin (More than 30s) during the intended use – In toys according to Directive 2019/48/EC or for the use by children up to 3 years of age

Test Item(s)	CAS No.	Result(s) (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	1	2	3		
Alias No.	--	25	25	25		
Tracing No.	--	2	3	4		
1. Naphthalene	91-20-3	ND	ND	ND	0.1	1
2. Phenanthrene	85-01-8	ND	ND	ND	0.1	--
3. Anthracene	120-12-7	ND	ND	ND	0.1	--
4. Fluoranthene	206-44-0	ND	ND	ND	0.1	--
5. Pyrene	129-00-0	ND	ND	ND	0.1	--
6. Benzo[a]anthracene	56-55-3	ND	ND	ND	0.1	0.2
7. Chrysene	218-01-9	ND	ND	ND	0.1	0.2
8. Benzo[b]fluoranthene	205-99-2	ND	ND	ND	0.1	0.2
9. Benzo[k]fluoranthene	207-08-9	ND	ND	ND	0.1	0.2
10. Benzo[j]fluoranthene	205-82-3	ND	ND	ND	0.1	0.2
11. Benzo[a]pyrene	50-32-8	ND	ND	ND	0.1	0.2
12. Benzo[e]pyrene	192-97-2	ND	ND	ND	0.1	0.2
13. Indeno[1,2,3-cd]pyrene	193-39-5	ND	ND	ND	0.1	0.2
14. Dibenzo[a,h]anthracene	53-70-3	ND	ND	ND	0.1	0.2
15. Benzo[g,h,i]perylene	191-24-2	ND	ND	ND	0.1	0.2
Sum of 4 PAHs [^]	--	ND	ND	ND	--	1
Sum of 15 PAHs	--	ND	ND	ND	--	1



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Test Item(s)	CAS No.	Result(s) (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	4	5	6		
Alias No.	--	25	25	25		
Tracing No.	--	5	6	7		
1. Naphthalene	91-20-3	ND	ND	ND	0.1	1
2. Phenanthrene	85-01-8	ND	ND	ND	0.1	--
3. Anthracene	120-12-7	ND	ND	ND	0.1	--
4. Fluoranthene	206-44-0	ND	ND	ND	0.1	--
5. Pyrene	129-00-0	ND	ND	ND	0.1	--
6. Benzo[a]anthracene	56-55-3	ND	ND	ND	0.1	0.2
7. Chrysene	218-01-9	ND	ND	ND	0.1	0.2
8. Benzo[b]fluoranthene	205-99-2	ND	ND	ND	0.1	0.2
9. Benzo[k]fluoranthene	207-08-9	ND	ND	ND	0.1	0.2
10. Benzo[j]fluoranthene	205-82-3	ND	ND	ND	0.1	0.2
11. Benzo[a]pyrene	50-32-8	ND	ND	ND	0.1	0.2
12. Benzo[e]pyrene	192-97-2	ND	ND	ND	0.1	0.2
13. Indeno[1,2,3-cd]pyrene	193-39-5	ND	ND	ND	0.1	0.2
14. Dibenzo[a,h]anthracene	53-70-3	ND	ND	ND	0.1	0.2
15. Benzo[g,h,i]perylene	191-24-2	ND	ND	ND	0.1	0.2
Sum of 4 PAHs [^]	--	ND	ND	ND	--	1
Sum of 15 PAHs	--	ND	ND	ND	--	1



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Test Item(s)	CAS No.	Result(s) (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	7	8	9		
Alias No.	--	25	25	25		
Tracing No.	--	8	9	10		
1. Naphthalene	91-20-3	ND	ND	ND	0.1	1
2. Phenanthrene	85-01-8	ND	ND	ND	0.1	--
3. Anthracene	120-12-7	ND	ND	ND	0.1	--
4. Fluoranthene	206-44-0	ND	ND	ND	0.1	--
5. Pyrene	129-00-0	ND	ND	ND	0.1	--
6. Benzo[a]anthracene	56-55-3	ND	ND	ND	0.1	0.2
7. Chrysene	218-01-9	ND	ND	ND	0.1	0.2
8. Benzo[b]fluoranthene	205-99-2	ND	ND	ND	0.1	0.2
9. Benzo[k]fluoranthene	207-08-9	ND	ND	ND	0.1	0.2
10. Benzo[j]fluoranthene	205-82-3	ND	ND	ND	0.1	0.2
11. Benzo[a]pyrene	50-32-8	ND	ND	ND	0.1	0.2
12. Benzo[e]pyrene	192-97-2	ND	ND	ND	0.1	0.2
13. Indeno[1,2,3-cd]pyrene	193-39-5	ND	ND	ND	0.1	0.2
14. Dibenzo[a,h]anthracene	53-70-3	ND	ND	ND	0.1	0.2
15. Benzo[g,h,i]perylene	191-24-2	ND	ND	ND	0.1	0.2
Sum of 4 PAHs [^]	--	ND	ND	ND	--	1
Sum of 15 PAHs	--	ND	ND	ND	--	1



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Test Item(s)	CAS No.	Result(s) (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	10	11		
Alias No.	--	25	25		
Tracing No.	--	11	12		
1. Naphthalene	91-20-3	ND	ND	0.1	1
2. Phenanthrene	85-01-8	ND	ND	0.1	--
3. Anthracene	120-12-7	ND	ND	0.1	--
4. Fluoranthene	206-44-0	ND	ND	0.1	--
5. Pyrene	129-00-0	0.3	ND	0.1	--
6. Benzo[a]anthracene	56-55-3	ND	ND	0.1	0.2
7. Chrysene	218-01-9	ND	ND	0.1	0.2
8. Benzo[b]fluoranthene	205-99-2	ND	ND	0.1	0.2
9. Benzo[k]fluoranthene	207-08-9	ND	ND	0.1	0.2
10. Benzo[j]fluoranthene	205-82-3	ND	ND	0.1	0.2
11. Benzo[a]pyrene	50-32-8	ND	ND	0.1	0.2
12. Benzo[e]pyrene	192-97-2	ND	ND	0.1	0.2
13. Indeno[1,2,3-cd]pyrene	193-39-5	ND	ND	0.1	0.2
14. Dibenzo[a,h]anthracene	53-70-3	ND	ND	0.1	0.2
15. Benzo[g,h,i]perylene	191-24-2	ND	ND	0.1	0.2
Sum of 4 PAHs [^]	--	0.3	ND	--	1
Sum of 15 PAHs	--	0.3	ND	--	1



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Test Item(s)	CAS No.	Result(s) (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	12	13		
Alias No.	--	01T-4	01T-4		
Tracing No.	--	1	2		
1. Naphthalene	91-20-3	ND	ND	0.1	1
2. Phenanthrene	85-01-8	ND	ND	0.1	--
3. Anthracene	120-12-7	ND	ND	0.1	--
4. Fluoranthene	206-44-0	ND	ND	0.1	--
5. Pyrene	129-00-0	ND	ND	0.1	--
6. Benzo[a]anthracene	56-55-3	ND	ND	0.1	0.2
7. Chrysene	218-01-9	ND	ND	0.1	0.2
8. Benzo[b]fluoranthene	205-99-2	ND	ND	0.1	0.2
9. Benzo[k]fluoranthene	207-08-9	ND	ND	0.1	0.2
10. Benzo[j]fluoranthene	205-82-3	ND	ND	0.1	0.2
11. Benzo[a]pyrene	50-32-8	ND	ND	0.1	0.2
12. Benzo[e]pyrene	192-97-2	ND	ND	0.1	0.2
13. Indeno[1,2,3-cd]pyrene	193-39-5	ND	ND	0.1	0.2
14. Dibenzo[a,h]anthracene	53-70-3	ND	ND	0.1	0.2
15. Benzo[g,h,i]perylene	191-24-2	ND	ND	0.1	0.2
Sum of 4 PAHs [^]	--	ND	ND	--	1
Sum of 15 PAHs	--	ND	ND	--	1

Specimen Description:

- White plastic (Body)
- Light grey plastic (Body)
- Yellow plastic (Body)
- Bright yellow plastic (Body)
- Dull yellow plastic (Body)
- Green plastic (Body)
- Grey plastic (Connector)
- Dark grey plastic (Connector)
- Warm grey plastic (Accessory)
- Black plastic (Accessory)
- Red plastic (Accessory)



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Specimen Description:

12. White paper label (Sticker)

13. Multi-color coating on paper label (Sticker)

Note: - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - mg/kg = milligram per kilogram

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- ^ 4 PAHs including Phenanthrene, Anthracene, Fluoranthene & Pyrene
- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- Δ Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component
- * Exceeds limit



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Category 2: Materials not covered by Category 1, coming into long-term contact (More than 30s) or short-term repetitive contact with skin during the intended or foreseeable use - For products used by children under 14

Test Item(s)	CAS No.	Result(s) (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	1	2	3		
Alias No.	--	25	25	25		
Tracing No.	--	1	13	14		
1. Naphthalene	91-20-3	ND	ND	ND	0.1	2
2. Phenanthrene	85-01-8	ND	ND	ND	0.1	--
3. Anthracene	120-12-7	ND	ND	ND	0.1	--
4. Fluoranthene	206-44-0	ND	ND	ND	0.1	--
5. Pyrene	129-00-0	ND	ND	ND	0.1	--
6. Benzo[a]anthracene	56-55-3	ND	ND	ND	0.1	0.2
7. Chrysene	218-01-9	ND	ND	ND	0.1	0.2
8. Benzo[b]fluoranthene	205-99-2	ND	ND	ND	0.1	0.2
9. Benzo[k]fluoranthene	207-08-9	ND	ND	ND	0.1	0.2
10. Benzo[j]fluoranthene	205-82-3	ND	ND	ND	0.1	0.2
11. Benzo[a]pyrene	50-32-8	ND	ND	ND	0.1	0.2
12. Benzo[e]pyrene	192-97-2	ND	ND	ND	0.1	0.2
13. Indeno[1,2,3-cd]pyrene	193-39-5	ND	ND	ND	0.1	0.2
14. Dibenzo[a,h]anthracene	53-70-3	ND	ND	ND	0.1	0.2
15. Benzo[g,h,i]perylene	191-24-2	ND	ND	ND	0.1	0.2
Sum of 4 PAHs^	--	ND	ND	ND	--	5
Sum of 15 PAHs	--	ND	ND	ND	--	5



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Test Item(s)	CAS No.	Result(s) (mg/kg)			MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	4	5	6		
Alias No.	--	25	25	25		
Tracing No.	--	15	16	17		
1. Naphthalene	91-20-3	ND	ND	ND	0.1	2
2. Phenanthrene	85-01-8	ND	ND	ND	0.1	--
3. Anthracene	120-12-7	ND	ND	ND	0.1	--
4. Fluoranthene	206-44-0	ND	ND	ND	0.1	--
5. Pyrene	129-00-0	ND	ND	ND	0.1	--
6. Benzo[a]anthracene	56-55-3	ND	ND	ND	0.1	0.2
7. Chrysene	218-01-9	ND	ND	ND	0.1	0.2
8. Benzo[b]fluoranthene	205-99-2	ND	ND	ND	0.1	0.2
9. Benzo[k]fluoranthene	207-08-9	ND	ND	ND	0.1	0.2
10. Benzo[j]fluoranthene	205-82-3	ND	ND	ND	0.1	0.2
11. Benzo[a]pyrene	50-32-8	ND	ND	ND	0.1	0.2
12. Benzo[e]pyrene	192-97-2	ND	ND	ND	0.1	0.2
13. Indeno[1,2,3-cd]pyrene	193-39-5	ND	ND	ND	0.1	0.2
14. Dibenzo[a,h]anthracene	53-70-3	ND	ND	ND	0.1	0.2
15. Benzo[g,h,i]perylene	191-24-2	ND	ND	ND	0.1	0.2
Sum of 4 PAHs^	--	ND	ND	ND	--	5
Sum of 15 PAHs	--	ND	ND	ND	--	5



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Test Item(s)	CAS No.	Result(s) (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	7	8		
Alias No.	--	01T-4	25		
Tracing No.	--	3	19		
1. Naphthalene	91-20-3	ND	ND	0.1	2
2. Phenanthrene	85-01-8	ND	0.2	0.1	--
3. Anthracene	120-12-7	ND	ND	0.1	--
4. Fluoranthene	206-44-0	ND	ND	0.1	--
5. Pyrene	129-00-0	ND	0.2	0.1	--
6. Benzo[a]anthracene	56-55-3	ND	ND	0.1	0.2
7. Chrysene	218-01-9	ND	ND	0.1	0.2
8. Benzo[b]fluoranthene	205-99-2	ND	ND	0.1	0.2
9. Benzo[k]fluoranthene	207-08-9	ND	ND	0.1	0.2
10. Benzo[j]fluoranthene	205-82-3	ND	ND	0.1	0.2
11. Benzo[a]pyrene	50-32-8	ND	ND	0.1	0.2
12. Benzo[e]pyrene	192-97-2	ND	ND	0.1	0.2
13. Indeno[1,2,3-cd]pyrene	193-39-5	ND	ND	0.1	0.2
14. Dibenzo[a,h]anthracene	53-70-3	ND	ND	0.1	0.2
15. Benzo[g,h,i]perylene	191-24-2	ND	ND	0.1	0.2
Sum of 4 PAHs^	--	ND	0.4	--	5
Sum of 15 PAHs	--	ND	0.4	--	5

Specimen Description:

1. Grey coating on metal (Body) w/ Black coating on soft plastic (Basketball)
2. Dark brown soft plastic (Basketball)
3. Transparent soft plastic (Basketball)
4. Light grey-silvery plastic (Connector)
5. Pearl grey plastic (Telescope)
6. Transparent plastic (Telescope)
7. Black plastic (Pump) (Submitted on Apr 28, 2024)
8. Red plastic (Pump)



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- Note:
- ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - mg/kg = milligram per kilogram

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- ^ 4 PAHs including Phenanthrene, Anthracene, Fluoranthene & Pyrene
- * Exceeds limit
- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- ^Δ Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component

Category 3: Materials covered neither by Category 1 nor by Category 2, coming into short-term contact (Up to 30s) with skin during the intended or foreseeable use – For products used by children under 14

Test Item(s)	CAS No.	Result(s) (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	1	2	0.1	10
Alias No.	--	25	25		
Tracing No.	--	20	21		
1. Naphthalene	91-20-3	ND	ND	0.1	10
2. Phenanthrene	85-01-8	ND	ND	0.1	--
3. Anthracene	120-12-7	ND	ND	0.1	--
4. Fluoranthene	206-44-0	ND	ND	0.1	--
5. Pyrene	129-00-0	ND	ND	0.1	--
6. Benzo[a]anthracene	56-55-3	ND	ND	0.1	0.5
7. Chrysene	218-01-9	ND	ND	0.1	0.5
8. Benzo[b]fluoranthene	205-99-2	ND	ND	0.1	0.5
9. Benzo[k]fluoranthene	207-08-9	ND	ND	0.1	0.5
10. Benzo[j]fluoranthene	205-82-3	ND	ND	0.1	0.5
11. Benzo[a]pyrene	50-32-8	ND	ND	0.1	0.5
12. Benzo[e]pyrene	192-97-2	ND	ND	0.1	0.5
13. Indeno[1,2,3-cd]pyrene	193-39-5	ND	ND	0.1	0.5
14. Dibenzo[a,h]anthracene	53-70-3	ND	ND	0.1	0.5
15. Benzo[g,h,i]perylene	191-24-2	ND	ND	0.1	0.5
Sum of 4 PAHs ^Δ	--	ND	ND	--	20
Sum of 15 PAHs	--	ND	ND	--	20



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Specimen Description:

1. Light silvery-grey plastic (Body) + Light grey soft plastic (Accessory)
2. Cyan woven cord (Accessory) + White woven cord (Accessory)

Note:

- ND = Not Detected (lower than MDL)
- MDL = Method Detection Limit
- mg/kg = milligram per kilogram

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- ^ 4 PAHs including Phenanthrene, Anthracene, Fluoranthene & Pyrene
- * Exceeds limit
- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- Δ Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component



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Category 3: Materials covered neither by Category 1 nor by Category 2, coming into short-term contact (Up to 30s) with skin during the intended or foreseeable use – Used by other consumer products

Test Item(s)	CAS No.	Result(s) (mg/kg)	MDL (mg/kg)	Limit (mg/kg)
Specimen No.	--	1	0.1	10
Alias No.	--	25		
Tracing No.	--	22		
1. Naphthalene	91-20-3	ND	0.1	--
2. Phenanthrene	85-01-8	ND	0.1	--
3. Anthracene	120-12-7	ND	0.1	--
4. Fluoranthene	206-44-0	ND	0.1	--
5. Pyrene	129-00-0	ND	0.1	--
6. Benzo[a]anthracene	56-55-3	ND	0.1	1
7. Chrysene	218-01-9	ND	0.1	1
8. Benzo[b]fluoranthene	205-99-2	ND	0.1	1
9. Benzo[k]fluoranthene	207-08-9	ND	0.1	1
10. Benzo[j]fluoranthene	205-82-3	ND	0.1	1
11. Benzo[a]pyrene	50-32-8	ND	0.1	1
12. Benzo[e]pyrene	192-97-2	ND	0.1	1
13. Indeno[1,2,3-cd]pyrene	193-39-5	ND	0.1	1
14. Dibenzo[a,h]anthracene	53-70-3	ND	0.1	1
15. Benzo[g,h,i]perylene	191-24-2	ND	0.1	1
Sum of 4 PAHs^	--	ND	--	50
Sum of 15 PAHs	--	ND	--	50

Specimen Description:

1. Snow white plastic (Pump)



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- Note:
- ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - mg/kg = milligram per kilogram

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- ^ 4 PAHs including Phenanthrene, Anthracene, Fluoranthene & Pyrene
- * Exceeds limit
- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- Δ Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component



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ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY

AS SPECIFIED IN ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clauses relevant to the item:

Clause	Description	Result
4	Safety Requirements	
4.1	Material Quality **	PASS
4.2	Flammability Test	PASS (See Result Page)
4.3	Toxicology	
4.3.5	Heavy Elements	
4.3.5.1	Heavy Elements in Paint/Similar Surface Coating Materials	PASS (See Result Page)
4.3.5.2	Heavy Metal in Substrate Materials	PASS (See Result Page)
4.6.1	Small Objects	PASS
4.6.2	Mouth-Actuated Toys	N/A
4.6.3	Labelling Requirements	N/A
4.7	Accessible Edges	PASS
4.9	Accessible Points	PASS
4.11	Nails and Fasteners	PASS
4.12	Plastic Film	PASS
4.15	Stability and Over-Load Requirements	PASS
4.21	Projectile Toys	PASS
4.34	Balls	PASS
5	Safety Labeling Requirements	
5.2	Age Grading Labeling	PASS
5.3	Safety Labeling Requirements	PASS
5.8	Toys Intended to be Assembled by an Adult	PASS
5.16	Promotional Materials	PASS
6	Instructional Literature	
6.4	Toys Intended to be Assembled by an Adult	PASS
7	Producer's Markings	
7.1	Producer's Markings	PASS



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Clause	Description	Result
8.5	Normal Use Testing	PASS
8.7	Impact Test	PASS
8.8	Torque Test	PASS
8.9	Tension Test	PASS
8.10	Compression Test	PASS

Result Page:

Flammability Test (Clause 4.2)

Flammability Test on Solid

Sample	Burning Rate (inch/sec)
See sample description	DNI

Requirement:

A toy / component is considered a “flammable solid” if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.

ASTM F963-17, Clause 4.3.5.1 – Heavy Elements in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1 / ASTM F963-17 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Total Lead Content

Test Item(s)			Lead (Pb)
MDL (ppm)			10
Total Limit (ppm)			90
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Grey coating on metal (Body) w/ Black coating on soft plastic (Basketball)	11	1	ND
2. Multi-color coating on paper label (Sticker)	03T-3	1	ND



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Soluble Heavy Metal Content

Test Item(s)				Pb	Sb	As	Ba	Cd	Cr	Hg	Se
MDL (ppm)				5	5	2.5	10	5	5	5	10
Migration Limit (ppm)				90	60	25	1000	75	60	60	500
Specimen No.	Alias No.	Tracing No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)							
1	29	4	28.7	ND	ND	ND	ND	ND	ND	ND	ND
2	29	5	/	ND	ND	ND	323	ND	ND	ND	ND
3	03T-1	2	52.1	ND	ND	ND	ND	ND	ND	ND	ND

Specimen Description:

1. Black coating on soft plastic (Basketball)
2. Grey coating on metal (Body)
3. Multi-color coating on paper label (Sticker)

- Note:
- ppm = parts per million
 - 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
 - MDL = Method Detection Limit
 - ND = Not Detected (lower than MDL)

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- ^Δ Test result is over the action limit as suggested by CPSC-CH-E1003-09.1. As the result is based on composite test and falls into an uncertain range, where "Pass" or "Fail" cannot be truly defined, "Interim-Fail" is given since the specimen may possibility fail according to the regulatory limit. Individual test is highly recommended to determine the exact Lead content in each component. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- * Exceeds Permissible Limit



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ASTM F963-17, Clause 4.3.5.2 – Heavy Elements in Substrate Materials

Method: With reference to CPSC-CH-E1002-08.3 / CPSC-CH-E1001-08.3 / ASTM F963-17 Clause 8.3 / CPSC-CH-E1004-11

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)/ Inductively Coupled Plasma Mass Spectrometer (ICP-MS)

Total Lead Content

Test Item(s)			Lead (Pb)
MDL (ppm)			10
Total Limit (ppm)			100
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Silvery metal big tube	5	1	ND
2. Silvery metal snap	5	2	ND
3. Bright silvery metal nut	5	3	ND
4. Silvery metal long screw	5	4	ND
5. Dull silvery metal screw	5	5	ND
6. Dull silvery metal bolt	5	6	ND
7. Silvery metal short screw	5	7	ND
8. Dark brown soft plastic (Basketball) + Transparent soft plastic (Basketball) + Light grey soft plastic (Accessory)	18	1	ND
9. White plastic (Body) + Light grey plastic (Body) + Yellow plastic (Body)	18	2	ND
10. Bright yellow plastic (Body) + Dull yellow plastic (Body) + Green plastic (Body)	18	3	ND
11. Light silvery-grey plastic (Body) + Grey plastic (Connector) + Dark grey plastic (Connector)	18	4	ND
12. Light grey-silvery plastic (Connector) + Pearl grey plastic (Telescope) + Transparent plastic (Telescope)	18	5	ND
13. Warm grey plastic (Accessory) + Black plastic (Accessory) + Red plastic (Accessory)	18	6	ND
14. White paper label (Sticker)	03T-2	1	ND



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Soluble Heavy Metal Content

Test Item(s)				Pb	Sb	As	Ba	Cd	Cr	Hg	Se
MDL (ppm)				5	5	2.5	10	5	5	5	10
Migration Limit (ppm) -- Other Than Modeling Clays				90	60	25	1000	75	60	60	500
Migration Limit (ppm) -- Modeling Clays				90	60	25	250	50	25	25	500
Specimen No.	Alias No.	Tracing No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)							
1	29	1	/	ND	ND	ND	ND	ND	ND	ND	ND
2	29	2	/	ND	ND	ND	ND	ND	ND	ND	ND
3	29	3	/	ND	ND	ND	ND	ND	ND	ND	ND
4	29	6	/	ND	ND	ND	ND	ND	ND	ND	ND
5	29	7	/	ND	ND	ND	ND	ND	ND	ND	ND
6	29	8	/	ND	ND	ND	ND	ND	ND	ND	ND
7	29	9	/	ND	ND	ND	ND	ND	ND	ND	ND
8	29	10	/	ND	ND	ND	ND	ND	ND	ND	ND
9	29	11	/	ND	ND	ND	ND	ND	ND	ND	ND
10	29	12	/	ND	ND	ND	ND	ND	ND	ND	ND
11	29	13	/	ND	ND	ND	ND	ND	ND	ND	ND
12	29	14	/	ND	ND	ND	ND	ND	ND	ND	ND
13	29	15	/	ND	ND	ND	ND	ND	ND	ND	ND
14	29	16	/	ND	ND	ND	ND	ND	ND	ND	ND
15	29	17	/	ND	ND	ND	ND	ND	ND	ND	ND
16	29	18	/	ND	ND	ND	ND	ND	ND	ND	ND
17	29	19	/	ND	ND	ND	ND	ND	ND	ND	ND
18	29	20	/	ND	ND	ND	ND	ND	ND	ND	ND
19	29	21	/	ND	ND	ND	ND	ND	ND	ND	ND
20	29	22	/	ND	ND	ND	ND	ND	ND	ND	ND
21	03T-1	1	/	ND	ND	ND	ND	ND	ND	ND	ND



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Specimen Description:

1. Dark brown soft plastic (Basketball)
2. Transparent soft plastic (Basketball)
3. Light grey soft plastic (Accessory)
4. White plastic (Body)
5. Light grey plastic (Body)
6. Yellow plastic (Body)
7. Bright yellow plastic (Body)
8. Dull yellow plastic (Body)
9. Green plastic (Body)
10. Light silvery-grey plastic (Body)
11. Grey plastic (Connector)
12. Dark grey plastic (Connector)
13. Light grey-silvery plastic (Connector)
14. Pearl grey plastic (Telescope)
15. Transparent plastic (Telescope)
16. Warm grey plastic (Accessory)
17. Black plastic (Accessory)
18. Red plastic (Accessory)
19. Cyan woven cord (Accessory)
20. White woven cord (Accessory)
21. White paper label (Sticker)



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- Note:
- ppm = parts per million
 - µg/component = microgramme per component
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - 1% = 10000 mg/kg = 10000 ppm

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- ^Δ Test result is over recommended action limit (80% of the regulatory limit). As the result is based on composite test and falls into an uncertain range, where "Pass" or "Fail" cannot be truly defined, "Interim-Fail" is given since the specimen may possibly fail according to the regulatory limit. Individual test is highly recommended to determine the exact Lead content in each component. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- * Exceeds Permissible Limit



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US CPSC

PHYSICAL AND MECHANICAL TESTS CONSISTING US CPSC 16 CFR 1500.48, US CPSC 16 CFR 1500.49 AND US CPSC 16 CFR 1501

AS SPECIFIED IN PHYSICAL AND MECHANICAL TESTS CONSISTING US CPSC 16 CFR 1500.48, US CPSC 16 CFR 1500.49 AND US CPSC 16 CFR 1501

	No. of sample tested	Sharp point (16 CFR 1500.48)	Sharp edge (16 CFR 1500.49)	Small part (16 CFR 1501)
As received	7	Pass	Pass	Pass
Impact test (16 CFR 1500.51b)	7	Pass	Pass	Pass
Bite test (16 CFR 1500.52c)	7	N/A	N/A	N/A
Flexure test (16 CFR 1500.53d)	0	N/A	N/A	N/A
Torque test (16 CFR 1500.53e)	7	Pass	Pass	Pass
Tension test (16 CFR 1500.52f)	7	Pass	Pass	Pass
Compression test (16 CFR 1500.53g)	7	Pass	Pass	Pass

US CPSC 16 CFR 1500.44 – METHOD FOR DETERMINING EXTREMELY FLAMMABLE AND FLAMMABLE SOLIDS

AS SPECIFIED IN US CPSC 16 CFR 1500.44 – METHOD FOR DETERMINING EXTREMELY FLAMMABLE AND FLAMMABLE SOLIDS

Sample	Burning Rate (inch/sec)
See sample description	DNI

Requirement:

A toy / component is considered a “flammable solid” if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.



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CPSC 16 CFR 1303 - Lead in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1 - Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings

Test Item(s)			Lead (Pb)
Permissible Limit (ppm)			90
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Grey coating on metal (Body) w/ Black coating on soft plastic (Basketball)	8	1	ND
2. Multi-color coating on paper label (Sticker)	01T-6	1	ND

- Note:
- ppm = parts per million
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit = 10 ppm
 - 1% = 10000 mg/kg = 10000 ppm

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- ^Δ Test result is over the action limit as suggested by CPSC-CH-E1003-09.1. As the result is based on composite test and falls into an uncertain range, where "Pass" or "Fail" cannot be truly defined, "Interim-Fail" is given since the specimen may possibility fail according to the regulatory limit. Individual test is highly recommended to determine the exact Lead content in each component. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- * Exceeds Permissible Limit

As specified in 15 U.S.C. § 2063(a)(5) and Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.

- Tracking label on the packaging: Present
- Tracking label on the product: Present

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



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ASTM F963-23 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY

AS SPECIFIED IN ASTM F963-23 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clauses relevant to the item:

Clause	Description	Result
4	Safety Requirements	
4.1	Material Quality **	PASS
4.2	Flammability Test	PASS (See Result Page)
4.3	Toxicology	
4.3.5	Heavy Elements	
4.3.5.1	Heavy Elements in Paint/Similar Surface Coating Materials	PASS (See Result Page)
4.3.5.2	Heavy Metal in Substrate Materials	PASS (See Result Page)
4.3.8	Phthalates	PASS (See Result Page)
4.6.1	Small Objects	PASS
4.6.2	Mouth-actuated Toys	N/A
4.6.3	Labelling Requirements	N/A
4.7	Accessible Edges	PASS
4.9	Accessible Points	PASS
4.11	Nails and Fasteners	PASS
4.12	Plastic Film	PASS
4.15	Stability and Over-load Requirements	PASS
4.21	Projectile Toys	PASS
4.34	Balls	PASS
5	Labeling Requirements	
5.1	Federal Government Requirements	
5.1.1	Specific Labeling Requirement	See Remark
	(Remark: All toys that fall within the definitions and requirements of the U.S. FHSA shall conform to the labeling requirement of that act. For specific requirements, reference 16 CFR 1500.3, 1500.14, 1500.19, 1500.82, 1500.83, 1500.86, 1500.121, 1500.122, 1500.123, 1500.125, 1500.126, 1500.127, 1500.128, 1500.130, 1505.3, and 1511.7. In addition, state labeling requirements may exist.)	



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Clause	Description	Result
5.1.2	Tracking Label	PASS
5.2	Age Grading Labeling	PASS
5.3	Safety Labeling Requirements	PASS
5.8	Toys Intended to be Assembled by an Adult	PASS
5.15	Promotional Materials	PASS
6	Instructional Literature	
6.4	Toys Intended to be Assembled by an Adult	PASS
7	Producer's Markings	
7.1	Producer's Markings	PASS
8.5	Normal Use Testing	PASS
8.7	Impact Test	PASS
8.8	Torque Test	PASS
8.9	Tension Test	PASS
8.10	Compression Test	PASS

Result Page:

Flammability Test (Clause 4.2)

Flammability Test on Solid

Sample	Burning Rate (inch/sec)
See sample description	DNI

Requirement:

A toy / component is considered a "flammable solid" if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.



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ASTM F963-23, Clause 4.3.5.1 – Heavy Elements in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1 / ASTM F963-23 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Total Lead Content

Test Item(s)			Lead (Pb)
MDL (ppm)			10
Total Limit (ppm)			90
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Grey coating on metal (Body) w/ Black coating on soft plastic (Basketball)	14	1	ND
2. Multi-color coating on paper label (Sticker)	01T-8	1	ND

Soluble Heavy Metal Content

Test Item(s)				Pb	Sb	As	Ba	Cd	Cr	Hg	Se
MDL (ppm)				5	5	2.5	10	5	5	5	10
Migration Limit (ppm)				90	60	25	1000	75	60	60	500
Specimen No.	Alias No.	Tracing No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)							
1	30	4	28.7	ND	ND	ND	ND	ND	ND	ND	ND
2	30	5	/	ND	ND	ND	323	ND	ND	ND	ND
3	01T-9	2	52.1	ND	ND	ND	ND	ND	ND	ND	ND

Specimen Description:

1. Black coating on soft plastic (Basketball)
2. Grey coating on metal (Body)
3. Multi-color coating on paper label (Sticker)



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- Note:
- ppm = parts per million
 - 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
 - MDL = Method Detection Limit
 - ND = Not Detected (lower than MDL)

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- ^Δ Test result is over the action limit as suggested by CPSC-CH-E1003-09.1. As the result is based on composite test and falls into an uncertain range, where "Pass" or "Fail" cannot be truly defined, "Interim-Fail" is given since the specimen may possibly fail according to the regulatory limit. Individual test is highly recommended to determine the exact Lead content in each component. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- * Exceeds Permissible Limit



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ASTM F963-23, Clause 4.3.5.2 – Heavy Elements in Substrate Materials

Method: With reference to CPSC-CH-E1002-08.3 / CPSC-CH-E1001-08.3 / ASTM F963-23 Clause 8.3 / CPSC-CH-E1004-11

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)/ Inductively Coupled Plasma Mass Spectrometer (ICP-MS)

Total Lead Content

Test Item(s)			Lead (Pb)
MDL (ppm)			10
Total Limit (ppm)			100
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Silvery metal big tube	6	1	ND
2. Silvery metal snap	6	2	ND
3. Bright silvery metal nut	6	3	ND
4. Silvery metal long screw	6	4	ND
5. Dull silvery metal screw	6	5	ND
6. Dull silvery metal bolt	6	6	ND
7. Silvery metal short screw	6	7	ND
8. Dark brown soft plastic (Basketball) + Transparent soft plastic (Basketball) + Light grey soft plastic (Accessory)	20	1	ND
9. White plastic (Body) + Light grey plastic (Body) + Yellow plastic (Body)	20	2	ND
10. Bright yellow plastic (Body) + Dull yellow plastic (Body) + Green plastic (Body)	20	3	ND
11. Light silvery-grey plastic (Body) + Grey plastic (Connector) + Dark grey plastic (Connector)	20	4	ND
12. Light grey-silvery plastic (Connector) + Pearl grey plastic (Telescope) + Transparent plastic (Telescope)	20	5	ND
13. Warm grey plastic (Accessory) + Black plastic (Accessory) + Red plastic (Accessory)	20	6	ND
14. White paper label (Sticker)	01T-7	1	ND



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Soluble Heavy Metal Content

Test Item(s)				Pb	Sb	As	Ba	Cd	Cr	Hg	Se
MDL (ppm)				5	5	2.5	10	5	5	5	10
Migration Limit (ppm) -- Other Than Modeling Clays				90	60	25	1000	75	60	60	500
Migration Limit (ppm) -- Modeling Clays				90	60	25	250	50	25	25	500
Specimen No.	Alias No.	Tracing No.	Mass of trace amount (mg)	Adjusted Migration Result(s) (ppm)							
1	30	1	/	ND	ND	ND	ND	ND	ND	ND	ND
2	30	2	/	ND	ND	ND	ND	ND	ND	ND	ND
3	30	3	/	ND	ND	ND	ND	ND	ND	ND	ND
4	30	6	/	ND	ND	ND	ND	ND	ND	ND	ND
5	30	7	/	ND	ND	ND	ND	ND	ND	ND	ND
6	30	8	/	ND	ND	ND	ND	ND	ND	ND	ND
7	30	9	/	ND	ND	ND	ND	ND	ND	ND	ND
8	30	10	/	ND	ND	ND	ND	ND	ND	ND	ND
9	30	11	/	ND	ND	ND	ND	ND	ND	ND	ND
10	30	12	/	ND	ND	ND	ND	ND	ND	ND	ND
11	30	13	/	ND	ND	ND	ND	ND	ND	ND	ND
12	30	14	/	ND	ND	ND	ND	ND	ND	ND	ND
13	30	15	/	ND	ND	ND	ND	ND	ND	ND	ND
14	30	16	/	ND	ND	ND	ND	ND	ND	ND	ND
15	30	17	/	ND	ND	ND	ND	ND	ND	ND	ND
16	30	18	/	ND	ND	ND	ND	ND	ND	ND	ND
17	30	19	/	ND	ND	ND	ND	ND	ND	ND	ND
18	30	20	/	ND	ND	ND	ND	ND	ND	ND	ND
19	30	21	/	ND	ND	ND	ND	ND	ND	ND	ND
20	30	22	/	ND	ND	ND	ND	ND	ND	ND	ND
21	01T-9	1	/	ND	ND	ND	ND	ND	ND	ND	ND



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Specimen Description:

1. Dark brown soft plastic (Basketball)
2. Transparent soft plastic (Basketball)
3. Light grey soft plastic (Accessory)
4. White plastic (Body)
5. Light grey plastic (Body)
6. Yellow plastic (Body)
7. Bright yellow plastic (Body)
8. Dull yellow plastic (Body)
9. Green plastic (Body)
10. Light silvery-grey plastic (Body)
11. Grey plastic (Connector)
12. Dark grey plastic (Connector)
13. Light grey-silvery plastic (Connector)
14. Pearl grey plastic (Telescope)
15. Transparent plastic (Telescope)
16. Warm grey plastic (Accessory)
17. Black plastic (Accessory)
18. Red plastic (Accessory)
19. Cyan woven cord (Accessory)
20. White woven cord (Accessory)
21. White paper label (Sticker)



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- Note:
- ppm = parts per million
 - µg/component = microgramme per component
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - 1% = 10000 mg/kg = 10000 ppm

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- ^Δ Test result is over recommended action limit (80% of the regulatory limit). As the result is based on composite test and falls into an uncertain range, where "Pass" or "Fail" cannot be truly defined, "Interim-Fail" is given since the specimen may possibly fail according to the regulatory limit. Individual test is highly recommended to determine the exact Lead content in each component. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- * Exceeds Permissible Limit



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Standard Consumer Safety Specification on Toy Safety, ASTM F963-23, Clause 4.3.8 – Phthalate Content

Method: With reference to CPSC-CH-C1001-09.4

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS) / High Performance Liquid Chromatography with Mass Spectrometer (HPLC-MS)

Test Item(s)	CAS No.	Result (s) (%)			MDL (%)	Permissible Limit (%)
Specimen No.	--	1	2	3		
Alias No.	--	23	23	23		
Tracing No.	--	1	2	3		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	0.010	0.1
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	0.003	0.1
Di-n-pentyl phthalate (DPP/DPEP/DPENP)	131-18-0	ND	ND	ND	0.003	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	0.003	0.1

Test Item(s)	CAS No.	Result (s) (%)		MDL (%)	Permissible Limit (%)
Specimen No.	--	4	5		
Alias No.	--	23	23		
Tracing No.	--	4	5		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	0.010	0.1
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.003	0.1
Di-n-pentyl phthalate (DPP/DPEP/DPENP)	131-18-0	ND	ND	0.003	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	0.003	0.1



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Test Item(s)	CAS No.	Result (s) (%)		MDL (%)	Permissible Limit (%)
Specimen No.	--	6	7		
Alias No.	--	23	23		
Tracing No.	--	6	7		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	0.010	0.1
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.003	0.1
Di-n-pentyl phthalate (DPP/DPEP/DPENP)	131-18-0	ND	ND	0.003	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	0.003	0.1

Test Item(s)	CAS No.	Result (s) (%)		MDL (%)	Permissible Limit (%)
Specimen No.	--	8	9		
Alias No.	--	01T-10	01T-10		
Tracing No.	--	1	2		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	0.010	0.1
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.003	0.1
Di-n-pentyl phthalate (DPP/DPEP/DPENP)	131-18-0	ND	ND	0.003	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	0.003	0.1



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Specimen Description:

1. Dark brown soft plastic (Basketball) + Transparent soft plastic (Basketball) + Light grey soft plastic (Accessory)
2. Black coating on soft plastic (Basketball) + Grey coating on metal (Body)
3. White plastic (Body) + Light grey plastic (Body) + Yellow plastic (Body)
4. Bright yellow plastic (Body) + Dull yellow plastic (Body) + Green plastic (Body)
5. Light silvery-grey plastic (Body) + Grey plastic (Connector) + Dark grey plastic (Connector)
6. Light grey-silvery plastic (Connector) + Pearl grey plastic (Telescope) + Transparent plastic (Telescope)
7. Red plastic (Accessory) + Warm grey plastic (Accessory) + Black plastic (Accessory)
8. White paper label (Sticker)
9. Multi-color coating on paper label (Sticker)

- Note:
- % = percentage by weight
 - MDL = Method Detection Limit
 - ND = Not Detected (lower than MDL)
 - 1% = 10000 mg/kg = 10000 ppm

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- ^Δ Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component
- * Exceeds Permissible Limit



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CPSIA - Lead in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1 - Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings

Test Item(s)			Lead (Pb)
Permissible Limit (ppm)			90
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Grey coating on metal (Body) w/ Black coating on soft plastic (Basketball)	7	1	ND
2. Multi-color coating on paper label (Sticker)	01T-12	1	ND

- Note:
- ppm = parts per million
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit = 10 ppm
 - 1% = 10000 mg/kg = 10000 ppm

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- ^Δ Test result is over the action limit as suggested by CPSC-CH-E1003-09.1. As the result is based on composite test and falls into an uncertain range, where "Pass" or "Fail" cannot be truly defined, "Interim-Fail" is given since the specimen may possibility fail according to the regulatory limit. Individual test is highly recommended to determine the exact Lead content in each component. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- * Exceeds Permissible Limit



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CPSIA - Lead in Accessible Substrate Materials

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.3 - Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product

Method (metal materials): With reference to CPSC-CH-E1001-08.3 - Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry)

Test Item(s)			Lead (Pb)
Permissible Limit (ppm)			100
Specimen Description	Alias No.	Tracing No.	Result(s) (ppm)
1. Silvery metal big tube	3	1	ND
2. Silvery metal snap	3	2	ND
3. Bright silvery metal nut	3	3	ND
4. Silvery metal long screw	3	4	ND
5. Dull silvery metal screw	3	5	ND
6. Dull silvery metal bolt	3	6	ND
7. Silvery metal short screw	3	7	ND
8. Dark brown soft plastic (Basketball) + Transparent soft plastic (Basketball) + Light grey soft plastic (Accessory)	15	1	ND
9. White plastic (Body) + Light grey plastic (Body) + Yellow plastic (Body)	15	2	ND
10. Bright yellow plastic (Body) + Dull yellow plastic (Body) + Green plastic (Body)	15	3	ND
11. Light silvery-grey plastic (Body) + Grey plastic (Connector) + Dark grey plastic (Connector)	15	4	ND
12. Light grey-silvery plastic (Connector) + Pearl grey plastic (Telescope) + Transparent plastic (Telescope)	15	5	ND
13. Warm grey plastic (Accessory) + Black plastic (Accessory) + Red plastic (Accessory)	15	6	ND
14. Red plastic (Pump) + Snow white plastic (Pump)	15	7	62
15. White paper label (Sticker)	01T-11	1	ND
16. Black plastic (Pump) (Submitted on Apr 28, 2024)	01T-11	2	ND



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- Note:
- ppm = parts per million
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit = 10 ppm
 - 1% = 10000 mg/kg = 10000 ppm

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- ^Δ Test result is over recommended action limit (80% of the regulatory limit). As the result is based on composite test and falls into an uncertain range, where "Pass" or "Fail" cannot be truly defined, "Interim-Fail" is given since the specimen may possibility fail according to the regulatory limit. Individual test is highly recommended to determine the exact Lead content in each component. The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- * Exceeds Permissible Limit

US 16 CFR Part 1307 – Phthalates Content

Method: With reference to CPSC-CH-C1001-09.4

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS) / High Performance Liquid Chromatography with Mass Spectrometer (HPLC-MS)

Test Item(s)	CAS No.	Result (s) (%)			MDL (%)	Permissible Limit (%)
Alias No.	--	22	22	22		
Tracing No.	--	1	2	3		
Specimen No.	--	1	2	3		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	0.010	0.1
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	0.003	0.1
Di-n-pentyl phthalate (DPP/DPEP/DPENP)	131-18-0	ND	ND	ND	0.003	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	0.003	0.1



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Test Item(s)	CAS No.	Result (s) (%)		MDL (%)	Permissible Limit (%)
Alias No.	--	22	22		
Tracing No.	--	4	5		
Specimen No.	--	4	5		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	0.010	0.1
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.003	0.1
Di-n-pentyl phthalate (DPP/DPEP/DPENP)	131-18-0	ND	ND	0.003	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	0.003	0.1

Test Item(s)	CAS No.	Result (s) (%)		MDL (%)	Permissible Limit (%)
Alias No.	--	22	22		
Tracing No.	--	6	7		
Specimen No.	--	6	7		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	0.010	0.1
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.003	0.1
Di-n-pentyl phthalate (DPP/DPEP/DPENP)	131-18-0	ND	ND	0.003	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	0.003	0.1



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Test Item(s)	CAS No.	Result (s) (%)		MDL (%)	Permissible Limit (%)
Alias No.	--	01T-13	01T-13		
Tracing No.	--	1	2		
Specimen No.	--	8	9		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	0.010	0.1
Di-n-Hexyl phthalate (DHP/DnHP/DHEXP)	84-75-3	ND	ND	0.003	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.003	0.1
Di-n-pentyl phthalate (DPP/DPEP/DPENP)	131-18-0	ND	ND	0.003	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	0.003	0.1

Specimen Description:

1. Dark brown soft plastic (Basketball) + Transparent soft plastic (Basketball) + Light grey soft plastic (Accessory)
2. Black coating on soft plastic (Basketball) + Grey coating on metal (Body)
3. White plastic (Body) + Light grey plastic (Body) + Yellow plastic (Body)
4. Bright yellow plastic (Body) + Dull yellow plastic (Body) + Green plastic (Body)
5. Light silvery-grey plastic (Body) + Grey plastic (Connector) + Dark grey plastic (Connector)
6. Light grey-silvery plastic (Connector) + Pearl grey plastic (Telescope) + Transparent plastic (Telescope)
7. Red plastic (Accessory) + Warm grey plastic (Accessory) + Black plastic (Accessory)
8. White paper label (Sticker)
9. Multi-color coating on paper label (Sticker)



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- Note:
- % = percentage by weight
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - 1% = 10000 mg/kg = 10000 ppm

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- ^Δ Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component
- * Exceeds Permissible Limit



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TOYS REGULATIONS (SOR/2011-17) OF CANADA CONSUMER PRODUCT SAFETY ACT (S.C.2010, c. 21). (INCLUDING AMENDMENTS SOR/2012-71, SOR/2016-195, SOR/2016-302, SOR/2018-138 AND SOR/2022-122)

AS SPECIFIED IN TOYS REGULATIONS (SOR/2011-17) OF CANADA CONSUMER PRODUCT SAFETY ACT (S.C.2010, c. 21). (INCLUDING AMENDMENTS SOR/2012-71, SOR/2016-195, SOR/2016-302, SOR/2018-138 AND SOR/2022-122)

Clauses relevant to the item:

Section	Description	Result
Section 3	General	PASS
Section 4	Packaging	PASS
Section 7	Small Objects	PASS
Section 8	Metal Edge	PASS
Section 10	Plastic Components	PASS
Section 11	Wooden Components	PASS
Section 13	Fasteners	PASS
Section 16	Projectiles	PASS
Section 18	Stationary Toys Intended to Bear the Weight of a Child	PASS
Section 21	Celluloid or Cellulose Nitrate	PASS
Section 23	Heavy Metals Contents in Surface Coatings/Paint	PASS (See Result Page)
Section 27	Plastic Materials Used in Toys Intended for Children Under 3 Years	PASS (See Result Page)

Remark: It is drawn to your attention that all the statement or warning statement which stated in product or its package should be appeared in English and French Bilingual as specified in section 3 of this regulation.



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Canada Consumer Product Safety Act (S.C. 2010, c. 21), Toys Regulations (SOR/2011-17) (Including amendments SOR/2012-71, SOR/2016-195, SOR/2016-302, SOR/2018-138 and SOR/2022-122) - Section 23 (a) and Section 23 (c) - Lead and Mercury in surface coating material

Method: With reference to Canada Health Product Safety Bureau, Reference Manual Book 5 – Laboratory Policies and Procedures, Part B: Test Methods Section, Method C02.2.2:2020 / C07:2023
Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Item(s)			Pb	Hg
Permissible Limit (mg/kg)			90	10
Specimen Description	Alias No.	Tracing No.	Result(s) (mg/kg)	
1. Grey coating on metal (Body) w/ Black coating on soft plastic (Basketball)	12	1	ND	ND
2. White paper label (Sticker)	01T-14	1	ND	ND
3. Multi-color coating on paper label (Sticker)	01T-15	1	ND	ND

- Note:
- mg/kg = milligram per kilogram
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit = 10 mg/kg

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- * Exceed Permissible Limit



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Method: With reference to Canada Health Product Safety Bureau, Reference Manual Book 5 – Laboratory Policies and Procedures, Part B: Test Methods Section, Method C02.2.2:2020 / CPSC-CH-E1003-09.1 / ASTM F963-17 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

For Soluble Heavy Metal Content:

Test Item(s)			Sb	As	Ba	Cd	Se
MDL (mg/kg)			50	50	50	50	50
Permissible Limit (mg/kg)			1000	1000	1000	1000	1000
Specimen Description	Alias No.	Tracing No.	Soluble Result(s) (mg/kg)				
1. Black coating on soft plastic (Basketball)	34	1	ND	ND	ND	ND	ND
2. Grey coating on metal (Body)	34	2	ND	ND	323	ND	ND
3. White paper label (Sticker)	01T-16	1	ND	ND	ND	ND	ND
4. Multi-color coating on paper label (Sticker)	01T-16	2	ND	ND	ND	ND	ND

- Note:
- mg/kg = milligram per kilogram
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- * Exceed Permissible Limit



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Method: With reference to Canada Health Product Safety Bureau, Reference Manual Book 5 - Laboratory Policies and Procedures, Part B: Test Methods Section, Method C02.3.2:2021 / C07:2023 /

CPSC-CH-E1002-08.3 / ASTM F963-17 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Total Heavy Metal Content

Test Item(s)			Pb	Hg
MDL (mg/kg)			10	10
Permissible Limit (mg/kg)			90	10
Specimen Description	Alias No.	Tracing No.	Result(s) (mg/kg)	
1. Dark brown soft plastic (Basketball) + Transparent soft plastic (Basketball) + Light grey soft plastic (Accessory)	19	1	ND	ND
2. White plastic (Body) + Light grey plastic (Body) + Yellow plastic (Body)	19	2	ND	ND
3. Bright yellow plastic (Body) + Dull yellow plastic (Body) + Green plastic (Body)	19	3	ND	ND
4. Light silvery-grey plastic (Body) + Grey plastic (Connector) + Dark grey plastic (Connector)	19	4	ND	ND
5. Light grey-silvery plastic (Connector) + Pearl grey plastic (Telescope) + Transparent plastic (Telescope)	19	5	ND	ND
6. Warm grey plastic (Accessory) + Black plastic (Accessory) + Red plastic (Accessory)	19	6	ND	ND



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Soluble Heavy Metal Content

Test Item(s)			Sb	As	Ba	Cd	Cr	Se
MDL (mg/kg)			5	2.5	10	5	5	10
Migration Limit (mg/kg)			60	25	1000	75	60	500
Specimen No.	Alias No.	Tracing No.	Adjusted Migration Result(s) (mg/kg)					
1	33	1	ND	ND	ND	ND	ND	ND
2	33	2	ND	ND	ND	ND	ND	ND
3	33	3	ND	ND	ND	ND	ND	ND
4	33	4	ND	ND	ND	ND	ND	ND
5	33	5	ND	ND	ND	ND	ND	ND
6	33	6	ND	ND	ND	ND	ND	ND
7	33	7	ND	ND	ND	ND	ND	ND
8	33	8	ND	ND	ND	ND	ND	ND
9	33	9	ND	ND	ND	ND	ND	ND
10	33	10	ND	ND	ND	ND	ND	ND
11	33	11	ND	ND	ND	ND	ND	ND
12	33	12	ND	ND	ND	ND	ND	ND
13	33	13	ND	ND	ND	ND	ND	ND
14	33	14	ND	ND	ND	ND	ND	ND
15	33	15	ND	ND	ND	ND	ND	ND
16	33	16	ND	ND	ND	ND	ND	ND
17	33	17	ND	ND	ND	ND	ND	ND
18	33	18	ND	ND	ND	ND	ND	ND



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Specimen Description:

1. Dark brown soft plastic (Basketball)
2. Transparent soft plastic (Basketball)
3. Light grey soft plastic (Accessory)
4. White plastic (Body)
5. Light grey plastic (Body)
6. Yellow plastic (Body)
7. Bright yellow plastic (Body)
8. Dull yellow plastic (Body)
9. Green plastic (Body)
10. Light silvery-grey plastic (Body)
11. Grey plastic (Connector)
12. Dark grey plastic (Connector)
13. Light grey-silvery plastic (Connector)
14. Pearl grey plastic (Telescope)
15. Transparent plastic (Telescope)
16. Warm grey plastic (Accessory)
17. Black plastic (Accessory)
18. Red plastic (Accessory)

- Note:
- mg/kg = milligram per kilogram
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - 1% = 10000 mg/kg = 10000 ppm

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- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- * Exceed Permissible Limit



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Canada Consumer Product Safety Act (S.C. 2010, c. 21), Consumer Products Containing Lead Regulations, SOR/2018-83 – Total Lead content

Method : With reference to Canada Health Product Safety Bureau, Reference Manual Book 5 - Laboratory Policies and Procedures, Part B: Test Methods Section, Method C02.2.2:2020 / C02.3.2:2021 / C02.4.1:2019
Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

Test Item(s)			Lead (Pb)
MDL (mg/kg)			10
Permissible Limit (mg/kg)			90
Specimen Description	Alias No.	Tracing No.	Result(s) (mg/kg)
1. Silvery metal big tube	4	1	ND
2. Silvery metal snap	4	2	ND
3. Bright silvery metal nut	4	3	ND
4. Silvery metal long screw	4	4	ND
5. Dull silvery metal screw	4	5	ND
6. Dull silvery metal bolt	4	6	ND
7. Silvery metal short screw	4	7	ND
8. Grey coating on metal (Body) w/ Black coating on soft plastic (Basketball)	10	1	ND
9. Dark brown soft plastic (Basketball) + Transparent soft plastic (Basketball) + Light grey soft plastic (Accessory)	17	1	ND
10. White plastic (Body) + Light grey plastic (Body) + Yellow plastic (Body)	17	2	ND
11. Bright yellow plastic (Body) + Dull yellow plastic (Body) + Green plastic (Body)	17	3	ND
12. Light silvery-grey plastic (Body) + Grey plastic (Connector) + Dark grey plastic (Connector)	17	4	ND
13. Light grey-silvery plastic (Connector) + Pearl grey plastic (Telescope) + Transparent plastic (Telescope)	17	5	ND
14. Warm grey plastic (Accessory) + Black plastic (Accessory) + Red plastic (Accessory)	17	6	ND
15. Red plastic (Pump) + Snow white plastic (Pump)	17	7	62
16. White paper label (Sticker)	01T-17	1	ND
17. Black plastic (Pump) (Submitted on Apr 28, 2024)	01T-17	2	ND
18. Multi-color coating on paper label (Sticker)	01T-18	1	ND



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- Note:
- mg/kg = milligram per kilogram
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- * Exceeds Permissible Limit

Canada Surface Coating Materials Regulations (SOR/2016-193) (Including amendments SOR/2022-122) – Lead Content

With reference to Canada Health Product Safety Bureau, Reference Manual Book 5 – Laboratory Policies and Procedures, Part B: Test Methods Section, Method C02.2.2:2020 / C07:2023

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Item(s)			Total
			Pb
Permissible Limit (mg/kg)			90
Specimen Description	Alias No.	Tracing No.	Result(s) (mg/kg)
1. Grey coating on metal (Body) w/ Black coating on soft plastic (Basketball)	13	1	ND
2. White paper label (Sticker)	01T-19	1	ND
3. Multi-color coating on paper label (Sticker)	01T-20	1	ND

- Note:
- mg/kg = milligram per kilogram
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit = 10 mg/kg
 - 1% = 10000 mg/kg =10000 ppm

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the result table:

- + Composite test has been performed as per client's request and the results are calculated using the minimum specimen weight
- * Exceed Permissible Limit



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Canada Phthalates Regulation (SOR/2016-188)(formerly restricted under SOR/2010-298)

Method: With reference to CPSC-CH-C1001-09.4 / Canada Health Product Safety Bureau, Reference Manual Book 5 – Laboratory Policies and Procedures, Part B: Test Methods Section, Method C-34:2018 – Determination of Phthalates in Polyvinyl Chloride Consumer Products

Analysis was performed by Gas Chromatography Mass Spectrometer (GC-MS) / High Performance Liquid Chromatography with Mass Spectrometer (HPLC-MS)

Vinyl Materials that can, in a reasonably foreseeable Manner, be placed in the Mouth of a Child under 4 Years of Age

Test Item(s)	CAS No.	Result (s) (%)		MDL (%)	Permissible Limit (%)
Alias No.	--	24	24		
Tracing No.	--	1	2		
Specimen No.	--	1	2		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	0.010	0.1
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	ND	0.003	0.1
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	0.010	0.1

Test Item(s)	CAS No.	Result (s) (%)		MDL (%)	Permissible Limit (%)
Alias No.	--	01T-21	01T-21		
Tracing No.	--	1	2		
Specimen No.	--	3	4		
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	ND	0.003	0.1
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	0.010	0.1
Di-n-octyl Phthalate (DNOP)	117-84-0	ND	ND	0.003	0.1
Diisodecyl Phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	0.010	0.1



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Specimen Description:

1. Dark brown soft plastic (Basketball) + Transparent soft plastic (Basketball) + Light grey soft plastic (Accessory)
2. Black coating on soft plastic (Basketball) + Grey coating on metal (Body)
3. White paper label (Sticker)
4. Multi-color coating on paper label (Sticker)

For vinyl in any part of toys for children under 14 years of age and childcare articles for children under 4 years of age

Test Item(s)	CAS No.	Result (s) (%)	MDL (%)	Permissible Limit (%)
Alias No.	--	24		
Tracing No.	--	3		
Specimen No.	--	1		
Dibutyl Phthalate (DBP)	84-74-2	ND	0.003	0.1
Benzylbutyl Phthalate (BBP)	85-68-7	ND	0.003	0.1
Di-(2-ethyl hexyl) phthalate (DEHP) / Dioctyl Phthalate (DOP)	117-81-7	ND	0.003	0.1

Specimen Description:

1. Cream rubber (Squeaker)



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- Note:
- % = percentage by weight
 - ND = Not Detected (lower than MDL)
 - MDL = Method Detection Limit
 - 1% = 10000 mg/kg = 10000 ppm

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- + Composite test has been performed as per client's request and the results are calculated using the total specimen weight
- ^Δ Result is made based on the composite test which may have the probability of one or more components that can lead to a failure conclusion. Individual test is highly recommended for each component
- * Exceeds Permissible Limit

N.B. : - Only applicable clauses were shown.

Note:

The below note(s) is(are) applicable in case the relevant superscript(s) and symbol(s) was(were) shown in the report:

N/A = Not Applicable

** = Visual Examination

DNI = Did Not Ignite

SE = Self-Extinguishing

IBE = Ignite But Self-Extinguished

SE within 50mm = Self-extinguished within 50 mm of flame application



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2. The statement of conformity has considered the decision rule based on the Guarded acceptance (8.3.2 of ISO/IEC GUIDE 98-4:2012). When the measured value falls within the guard band, only the test data and measurement uncertainty will be reported. The guard band is equal to the expanded measurement uncertainty with a 95% coverage probability($k=2$), $w = U_{95}$. The Probability of False Accept and the Probability of False Reject of the decision rule are 2.5%.

For Upper Tolerance Limit (T_U):

Pass - when the measurement result is below $T_U - U_{95}$

Fail - when the measurement result is above $T_U + U_{95}$

Inconclusive - when the measurement result is falling in guard band $[T_U - U_{95}, T_U + U_{95}]$

For Lower Tolerance Limit (T_L):

Pass - when the measurement result is above $T_L + U_{95}$

Fail - when the measurement result is below $T_L - U_{95}$

Inconclusive - when the measurement result is falling in guard band $[T_L - U_{95}, T_L + U_{95}]$

Sample Picture (As received)

Pic.1



Pic.2



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Pic.3



Pic.4



Pic.5



SGS authenticate the photo on original report only

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Appendix

Remark: The photo was submitted by the clients. The test results only related to the tested model and the conclusion was given based on the result tested model.

Pic.1



Pic.2



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Pic.3



Pic.4



Pic.5



Pic.6

