



TEST REPORT

Report No.: CCI251200789EN

Report Date: Dec. 19, 2025

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Applicant : Mid Ocean Brands B.V.

Address : Unit 711-716, 7/F., Tower A, 83 King Lam Street Cheung Sha Wan, Kowloon, Hong Kong

(The following sample(s) was (were) submitted and identified by client as)

Sample Name : Mikado set

Model/Item No. : MO9189

Vendor Code : 107978

Labeled Age Grading : 3+

Requested Age Grading : 3+

Age Group Applied in Testing : 3+

Test Period : From Dec. 03, 2025 to Dec. 19, 2025

Tests Conducted : As requested by the applicant, for details refer to next page(s).

Signed for and on behalf of
Compliance Control Institute (Guangzhou) Co., Ltd.

Approved by:

Pascal SHI/Technical Director

Compliance Control Institute (Guangzhou) Co., Ltd.

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Executive Summary:

No.	TESTED SAMPLES	STANDARD / REQUIREMENT	CONCLUSION
1	Submitted samples	EN71-1:2014+A1:2018 - Mechanical and physical properties	PASS
2	Submitted samples	EN71-2:2020 - Flammability test	PASS
3	Tested material(s) of submitted sample(s)	EN 71-3:2019+A2:2024 - Migration of certain elements (Category III)	PASS
4	Tested material(s) of submitted sample(s)	Entry 77 of Annex XVII to the REACH Regulation (EC) No.1907/2006 - Formaldehyde	PASS
5	Tested material(s) of submitted sample(s)	REGULATION (EU) 2019/1021 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on Persistent Organic Pollutants (POPs) - Pentachlorophenol (PCP)	PASS
6	Tested material(s) of submitted sample(s)	Entry 5 of Annex XVII to the REACH Regulation (EC) No.1907/2006 - Benzene	PASS
7	Tested material(s) of submitted sample(s)	Entry 23 of Annex XVII to the REACH Regulation (EC) No.1907/2006 - Cadmium (Cd)	PASS
8	Tested material(s) of submitted sample(s)	Entry 50 of Annex XVII to the REACH Regulation (EC) No.1907/2006 - Polycyclic-aromatic hydrocarbons (PAHs)	PASS
9	Tested material(s) of submitted sample(s)	Entry 51&52 of Annex XVII to the REACH Regulation (EC) No.1907/2006 - Phthalate	PASS



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TESTS CONDUCTED:

1. Mechanical and Physical Test

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

Clause	Testing items	Assessment
1	Scope	--
2	Normative references	--
3	Terms and definitions	--
4	General requirements	P
4.1	Material	P
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.14.1	Toys which a child can enter	NA
4.14.2	Masks and helmets	NA
4.15	Toys intended to bear the mass of a child	NA
4.15.1	Toys propelled by a child or by other means	NA
4.15.2	Toy bicycles	NA
4.15.3	Rocking horses and similar toys	NA
4.15.4	Toys not propelled by a child	NA
4.15.5	Toy scooters	NA
4.16	Heavy immobile toys	NA
4.17	Projectile toys	NA
4.18	Aquatic toys and inflatable toys	NA



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Clause	Testing items	Assessment
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.23.1	General	NA
4.23.2	Toys other than magnetic/electrical experimental sets intended for children over 8 years	NA
4.23.3	Magnetic/electrical experimental sets intended for children over 8 years	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy disguise costumes	NA
(i)	Cords on toy disguise costumes where cords become separated from the toy disguise costume	NA
(ii)	Any cords remaining attached to the toy disguise costume shall comply with the applicable requirements of EN 14682	NA
4.27	Flying toys	NA
4.27.1	General	NA
4.27.2	Rotors and propellers on flying toys	NA
4.27.3	Rotors and propellers on remote controlled flying toys	NA
5	Toys intended for children under 36 months	
5.1	General requirements	NA
(a)	Small part requirement on toys & removable components (see 8.2)	NA
(b)	After abuse tests - Small part, Hazardous sharp edges, Hazardous sharp points, Crushing hazards-springs, Hazardous magnets or magnetic components (see 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.2, 8.11, 8.12, 4.10.4, 4.23.2 b & c)	NA
(c)	Metal points and wires - Present sharp points (see 8.12)	NA
(d)	Large and bulky toys (see 5.1 b (excluding clause 8.5), 8.6)	NA
(e)	Glued wooden toys and toys with glued on plastic decals - Small part (see 8.9, 5.1b, 8.2)	NA
(f)	Casing of toys intended for children, too young to sit up unaided - Crack (see 5.1b)	NA
(g)	Foam toys and toys containing accessible foam components - Small part (see 8.3, 8.4.2.1)	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA
(a)	Fillings shall not contain any hard and sharp contaminants.	NA
(b)	Tension test, seams and materials (8.2, 8.4.2.2a, 8.10)	NA

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Clause	Testing items	Assessment
(c)	Insert the front part of a 12mm diameter rod (8.4.2.2b)	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.4.1	General	NA
5.4.2	Cords and chains in toys intended for children under 18 months	NA
5.4.3	Cords and chains in toys intended for children of 18 months or over but under 36 months	NA
5.4.4	Fixed loops, tangled loops and nooses	NA
5.4.5	Cords and chains on pull along toys	NA
5.4.6	Electrical cables	NA
5.4.7	Cross-sectional dimension of certain cords	NA
5.4.8	Self-retracting cords	NA
5.4.9	Toys attached to or intended to be strung across a cradle, cot or perambulator	NA
5.5	Liquid filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	P
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectile toys	NA

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Clause	Testing items	Assessment
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inline skates and skateboards and certain other ride-on toys	NA
7.11	Toys intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethingers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA
8	Test Methods	--
8.1	General requirements for testing	P
8.2	Small parts cylinder (see 4.6, 4.11, 4.18, 4.23.2, 4.23.3, 4.25, 5.1, 5.2)	P
8.3	Torque test (see 4.6, 4.11, 4.14.2, 4.17, 4.18, 4.22, 4.23.2, 4.25, 5.1, 5.10, 5.12, 5.13 and Clause 6)	P
8.4	Tension test	P
8.5	Drop test (see 4.5, 4.6, 4.10.2, 4.14.2, 4.22, 4.23.2, 4.25, 5.1, 5.10, 5.12 and 5.13)	P
8.6	Tip over test (see 4.10.2, 4.22, 4.23.2, 5.1, 5.10, 5.12 and 5.13)	NA
8.7	Impact test (see 4.5, 4.6, 4.10.2, 4.14.2, 4.22, 4.23.2, 4.25, 5.1, 5.10, 5.12, 5.13)	P
8.8	Compression test (see 4.6, 4.14.2, 4.22, 4.23.2, 4.25, 5.1, 5.10, 5.12, 5.13)	P
8.9	Soaking test (see 4.11, 4.23.2, 5.1, 5.10 and 5.12)	NA
8.10	Accessibility of a part or component (see 4.5, 4.7, 4.8, 4.10.2, 4.10.4, 4.15.1.3, 4.21, 5.2)	P



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Clause	Testing items	Assessment
	and 5.7)	
8.11	Sharpness of edges (see 4.5, 4.7, 4.9, 4.10.2, 4.14.2, 4.15.1.3 and 5.1)	P
8.12	Sharpness of points (see 4.5, 4.8, 4.9, 4.10.2, 4.14.2, 4.15.1.3, 5.1)	P
8.13	Flexibility of metallic wires (see 4.8)	NA
8.14	Expanding materials (see 4.6)	NA
8.15	Leakage of liquid-filled toys (see 5.5)	NA
8.16	Geometric shape of certain toys (see 5.8, 5.11)	NA
8.17	Durability of mouth-actuated toys (see 4.11)	NA
8.18	Folding or sliding mechanisms (see 4.10.1)	NA
8.19	Electric resistivity of cords (see 4.13)	NA
8.20	Cords cross-sectional dimension (see 5.4.7)	NA
8.21	Static strength (see 4.15.1.3, 4.15.1.5, 4.15.3, 4.15.4)	NA
8.22	Dynamic strength (see 4.15.1.3)	NA
8.23	Stability	NA
8.23.1	Toys intended to bear the mass of a child (see 4.15.1.4, 4.15.3 and 4.15.4)	NA
8.23.2	Heavy immobile toys (see 4.16)	NA
8.24	Kinetic energy of projectiles (see 4.17.3.1, 4.17.4.2)	NA
8.25	Plastic sheeting (see 4.3, 5.3 and Clause 6)	NA
8.26	Brake performance	NA
8.26.1	Brake performance for certain ride-on toys (see 4.15.1.5)	NA
8.26.2	Brake performance for toy bicycles (see 4.15.2.3)	NA
8.26.3	Brake performance for toy scooters (see 4.15.5.5)	NA
8.27	Strength of toy scooter steering tubes (see 4.15.5.3)	NA
8.28	Determination of emission sound pressure levels (see 4.20)	NA
8.29	Determination of maximum design speed of electrically-driven ride-on toys (see 4.15.1.2, 4.15.1.5, 4.15.1.8 and 5.6)	NA
8.30	Measurement of temperature rises (see 4.21)	NA
8.31	Toy chest lids (see 4.14.1 c)	NA
8.32	Small balls and suction cups test (see 4.17, 4.22, 4.25, 5.10 and 5.13)	NA
8.33	Test for play figures (see 5.11)	NA
8.34	Tension test for magnets (see 4.23.2)	NA
8.35	Magnetic flux index (see 4.23.2 and 4.23.3)	NA



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Clause	Testing items	Assessment
8.36	Perimeter of cords and chains (see 5.4.4)	NA
8.37	Yo-yo balls measurements (see 4.24)	NA
8.38	Breakaway feature separation test (see 5.4.2, 5.4.3 and 5.14)	NA
8.39	Self-retracting cords (see 5.4.8)	NA
8.40	Length of cords, chains and electrical cables (see 5.4.2, 5.4.3, 5.4.5 and 5.4.6)	NA
8.41	Assessment of the tangle potential of two cords or chains	NA
8.42	Determination of projectile range	NA
8.43	Assessment of leading parts of projectiles and flying toys	NA
8.44	Length of suction cup projectiles	NA

Note:

1. P = Pass.
2. NA = Not Applicable.

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

Marking

The manufacturer's and importer's name, registered trade name or registered trade mark, the address and the CE-marking shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompany the toy. In addition, manufacturers shall ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

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



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2. Flammability Test

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

Clause	Testing items	Assessment
1	Scope	--
2	Normative references	--
3	Terms and definitions	--
4	Requirements	P
4.1	General requirements	P
4.2	Toys to be worn on the head	NA
4.2.1	General	NA
4.2.2	Beards, moustaches, wigs, etc., made from hair, pile or material with similar features (e.g. free-hanging ribbons, paper, cloth strands or other flowing elements), which protrude 50 mm or more from the surface of the toy	NA
4.2.3	Beards, moustaches, wigs, etc., made from hair, pile or material with similar features (e.g. free-hanging ribbons, paper, cloth strands or other flowing elements), which protrude less than 50 mm from the surface of the toy	NA
4.2.4	Full or partial moulded head masks	NA
4.2.5	Flowing elements of toys to be worn on the head (except those covered by 4.2.2 and 4.2.3), hoods, head-dresses, etc. and masks not covered by 4.2.4 which partially or fully cover the head (e.g. fabric and cardboard masks, eye masks, face masks), but excluding those items covered by 4.3	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft-filled toys	NA
5	Test methods	--
5.1	General	P
5.1.1	Test burner	P
5.1.2	Conditioning and test chamber	P
5.1.3	Test flame	P
5.2	Test relating to beards, moustaches, wigs, etc., made from hair, pile or material with similar features (e.g. free-hanging ribbons, paper, cloth strands or other flowing elements), which protrude 50 mm or more from the surface of the toy	NA
5.2.1	Test flame	NA
5.2.2	Test burner position	NA
5.2.3	Test performance	NA

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Clause	Testing items	Assessment
5.3	Test relating to beards, moustaches, wigs, etc., made from hair, pile or material with similar features (e.g. free-hanging ribbons, paper, cloth strands or other flowing elements), which protrude less than 50 mm from the surface of the toy, and full or partial moulded head masks	NA
5.3.1	Test flame	NA
5.3.2	Test burner position	NA
5.3.3	Test performance	NA
5.4	Test relating to flowing elements of toys to be worn on the head (except those covered by 4.2.2 and 4.2.3), hoods, head-dresses, etc. and masks not covered by 4.2.4 which partially or fully cover the head (e.g. fabric and cardboard masks, eye masks, face masks), toy disguise costumes and toys intended to be entered or worn by a child	NA
5.4.1	Preparation of test sample	NA
5.4.2	Holding the test sample	NA
5.4.3	Test flame	NA
5.4.4	Test burner position	NA
5.4.5	Test performance	NA
5.4.6	Results	NA
5.5	Test for soft-filled toys	NA
5.5.1	Test flame	NA
5.5.2	Test burner position	NA
5.5.3	Test performance	NA

Note:

1. P = Pass.
2. NA = Not applicable.



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3. Migration of Certain Elements- EN 71-3:2019+A2:2024(Category III)

Test Method: With reference to EN 71-3:2019+A2:2024, by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES), Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) and Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

No.	Substance	RL (mg/kg)	Test Result (mg/kg)		
			1	2	3
1	Aluminium (Al)	5.0	151	N.D.	N.D.
2	Antimony (Sb)	5.0	N.D.	N.D.	N.D.
3	Arsenic (As)	0.5	N.D.	N.D.	N.D.
4	Barium (Ba)	5.0	N.D.	N.D.	N.D.
5	Boron (B)	5.0	N.D.	N.D.	N.D.
6	Cadmium (Cd)	0.2	N.D.	N.D.	N.D.
7	Chromium(III) (Cr ³⁺)	2.0	N.D.	N.D.	N.D.
8	Chromium(VI) (Cr ⁶⁺)	0.05	N.D.	N.D.	N.D.
9	Cobalt (Co)	1.0	N.D.	N.D.	N.D.
10	Copper (Cu)	5.0	N.D.	N.D.	N.D.
11	Lead (Pb)	2.0	N.D.	N.D.	N.D.
12	Manganese (Mn)	5.0	36	N.D.	N.D.
13	Mercury (Hg)	1.0	N.D.	N.D.	N.D.
14	Nickel (Ni)	5.0	N.D.	N.D.	N.D.
15	Selenium (Se)	5.0	N.D.	N.D.	N.D.
16	Strontium (Sr)	5.0	45	N.D.	N.D.
17	Tin (Sn)	5.0	N.D.	N.D.	N.D.
18	Organic tin☆	0.1	N.D.	N.D.	N.D.
19	Zinc (Zn)	5.0	N.D.	N.D.	N.D.
Conclusion			PASS	PASS	PASS



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No.	Substance	RL (mg/kg)	Test Result (mg/kg)		
			4	5	6
1	Aluminium (Al)	5.0	N.D.	N.D.	N.D.
2	Antimony (Sb)	5.0	N.D.	N.D.	N.D.
3	Arsenic (As)	0.5	N.D.	N.D.	N.D.
4	Barium (Ba)	5.0	N.D.	N.D.	N.D.
5	Boron (B)	5.0	N.D.	N.D.	N.D.
6	Cadmium (Cd)	0.2	N.D.	N.D.	N.D.
7	Chromium(III) (Cr ³⁺)	2.0	N.D.	N.D.	N.D.
8	Chromium(VI) (Cr ⁶⁺)	0.05	N.D.	N.D.	N.D.
9	Cobalt (Co)	1.0	N.D.	N.D.	N.D.
10	Copper (Cu)	5.0	N.D.	N.D.	N.D.
11	Lead (Pb)	2.0	N.D.	N.D.	N.D.
12	Manganese (Mn)	5.0	N.D.	N.D.	64
13	Mercury (Hg)	1.0	N.D.	N.D.	N.D.
14	Nickel (Ni)	5.0	N.D.	N.D.	N.D.
15	Selenium (Se)	5.0	N.D.	N.D.	N.D.
16	Strontium (Sr)	5.0	N.D.	N.D.	N.D.
17	Tin (Sn)	5.0	N.D.	N.D.	N.D.
18	Organic tin☆	0.1	N.D.	N.D.	N.D.
19	Zinc (Zn)	5.0	N.D.	N.D.	N.D.
Conclusion			PASS	PASS	PASS



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The table of Migration Elements limit:

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

Note:

1. RL= Reporting Limit.
2. mg/kg = Milligram per kilogram.
3. N.D. = Not Detected (< RL).
4. Calculated concentration of Chromium(III) (Cr³⁺) and Chromium(VI) (Cr⁶⁺) are based on total Chromium.
5. "☆" = Organic tin include Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin, Triphenyl tin, Dimethyl tin. The migration of organic tin is expressed as tributyltin.



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4. Formaldehyde (CAS No.50-00-0)

Test Method: With reference to EN 717-1:2004, by Ultraviolet-visible Spectrophotometer (UV-Vis) analysis.

Material No.	Limit (mg/m ³)	RL (mg/m ³)	Test Result (mg/m ³)	Conclusion
5	0.062	0.005	N.D.	PASS
6	0.062	0.005	N.D.	PASS

Note:

1. RL= Reporting Limit.
2. mg/kg = Milligram per kilogram.
3. N.D. = Not Detected (< RL).

5. Pentachlorophenol (PCP)

Test Method: With reference to EPA 3550C:2007, by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

Material No.	Limit (mg/kg)	MDL (mg/kg)	Test Result (mg/kg)	Conclusion
5	5	0.2	N.D.	PASS
6	5	0.2	N.D.	PASS

Note:

1. MDL = Method Detection Limit.
2. mg/kg = Milligram per kilogram.
3. N.D. = Not Detected (< MDL).

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6. Benzene

Test Method: With reference to EPA 3550C:2007, by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

Material No.	Limit	RL (mg/kg)	Test Result (mg/kg)	Conclusion
1	#	5	N.D.	PASS
2	#	5	N.D.	PASS
3	#	5	N.D.	PASS
4	#	5	N.D.	PASS

Note:

1. RL= Reporting Limit.
2. mg/kg = Milligram per kilogram.
3. N.D. = Not Detected (< RL).
4. # :
 - 4.1. Shall not be used in toys or parts of toys where the concentration of benzene in the restateis greater than5mg/kg (0005%)of the weight f the toy or part of toy
 - 4.2. Toys and parts of toys not complying with paragraph 4.1 shall not be placed on the market.
 - 4.3. Shall not be placed on the market, or used,
 - 4.4. However, paragraph 4.3 shall not apply to:
 - a. motor fuels which are covered by Directive 98/70/EC;
 - b. substances and mitures fr use in industrialprocesses notallowig fr themision of benzenein quanties in excess of those aid down inexisting legislation
 - c. natural gas placed on the market for use by consumers, provided that the concentration of benzene remains below 0.1% volume/volume

7. Cadmium (Cd)

Test Method: With reference to EPA 3050B:1996, EPA 3052:1996, by Atomic Absorption Spectroscopy (AAS) or Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) analysis.

Material No.	Limit (mg/kg)	RL (mg/kg)	Test Result (mg/kg)	Conclusion
1	1000	2	N.D.	PASS
2	1000	2	N.D.	PASS
3	1000	2	N.D.	PASS
4	1000	2	N.D.	PASS

Note:

1. RL= Reporting Limit.
2. mg/kg = Milligram per kilogram.
3. N.D. = Not Detected (< RL).



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8. Polycyclic-aromatic hydrocarbons (PAH)

Test Method: With reference to AfPS GS 2019:01 PAK, by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

Substances	Benzo[a]pyrene (BaP)	Benzo[e]pyrene (BeP)	Benzo[a]anthracene (BaA)	Chrysen (CHR)	Benzo[b]fluoranthene (BbFA)	Benzo[j]fluoranthene (BjFA)	Benzo[k]fluoranthene (BkFA)	Dibenzo[a,h]anthracene (DBA _h A)	Conclusion
CAS No.	50-32-8	192-97-2	56-55-3	218-01-9	205-99-2	205-82-3	207-08-9	53-70-3	
RL (mg/kg)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Material No.	Test Result (mg/kg)								
1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS

Note:

1. RL= Reporting Limit.
2. mg/kg = Milligram per kilogram.
3. N.D. = Not Detected (< RL).
4. Requirement:
 - a) For articles for supply to the general public: No more than 1mg/kg each;
 - b) For toys: No more than 0.5mg/kg each.



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9. Phthalates

Test Method: With reference to EN 14372:2004, by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

Substances	DEHP	DBP	BBP	DIBP	SUM	DINP	DIDP	DNOP	SUM	Conclusion
Limit (%)	/	/	/	/	0.1	/	/	/	0.1	
RL (%)	0.003	0.003	0.003	0.003	--	0.005	0.005	0.003	--	
Material No.	Test Result (%)									Conclusion
1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	

Note:

1. RL= Reporting Limit.
2. % = Percentage by weight.
3. N.D. = Not Detected (Less than RL).
4. / = Not specified.
- 5.

Substances	DEHP	DBP	BBP	DIBP	DINP	DIDP	DNOP
Name	Bis (2-ethylhexyl) phthalate	Dibutyl phthalate	Benzyl butyl phthalate	Diisobutyl phthalate	Di-isononyl phthalate	Di-isodecyl phthalate	Di-n-octyl phthalate
CAS No.	117-81-7	84-74-2	85-68-7	84-69-5	28553-12-0 68515-48-0	26761-40-0 68515-49-1	117-84-0



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Test Material(s) List

Material No.	Description	Location
1	Black coating	Cover
2	Yellow coating	Mikados
3	Red coating	Mikados
4	Blue coating	Mikados
5	Brown wood	Box
6	Light brown wood	Mikados



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Photo Appendix



★★★★★End of Report★★★★★