
Test Report

Report No. : AGC05443251010-001S1

SAMPLE NAME : YoYo with light
MODEL NAME : IT3854
APPLICANT : MID OCEAN BRANDS B.V.
STANDARD(S) : Please refer to the following page(s).
DATE OF ISSUE : Oct. 27, 2025

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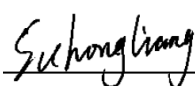


Report No.: AGC05443251010-001S1

Applicant : MID OCEAN BRANDS B.V.
Address : Unit 711716, 7/F., Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
Test Site : 6/F., Building 2, Sanwei Chaxi Industrial Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China

Report on the submitted sample(s) said to be:

Sample Name : YoYo with light
Model : IT3854
Vendor code : 106613
Country of Origin : CHINA
Country of Destination : EUROPE
Labeled Age Grading : Not stated
Requested Age Grading : 3+
Age Group Applied in Testing : 3+
Sample receiving state : Normal
Sample Received Date : Oct. 13, 2025
Testing Period : Oct. 13, 2025 to Oct. 21, 2025
Test Requested : Selected test(s) as requested by client.

Approved by: 

Suhongliang

Technical Director

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Test Requested:
Conclusion

2011/65/EU (RoHS) and its amendment directive (EU) 2015/863
- Pb, Cd, Hg, Cr⁶⁺, PBBs, PBDEs, DBP, BBP, DEHP, DIBP

Pass

European Standard on Safety of Toys
- EN 71-1:2014+A1:2018: Mechanical and Physical Properties

Pass

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

Pass

The Directive 2009/48/EC-Safety of Toys
- Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification)

Pass

European Standard on Safety of Toys
- EN 71-3:2019+A2:2024: Migration of Certain Elements (Al, Sb, As, Ba, B, Cd, Cr(III), Cr(VI), Co, Cu, Pb, Mn, Hg, Ni, Se, Sr, Sn, Zn)

Pass

European Standard on Safety of Toys
- EN 71-3:2019+A2:2024: Migration of Certain Elements (Organic Tin)

Pass

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 51&52
- Phthalates Content

Pass

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 50
- Polycyclic-aromatic Hydrocarbons (PAHs) Content

Pass

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 5
- Benzene Content

Pass

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Report Revise Record

Report Version	Issued Date	Valid Version	Notes
/	Oct. 21, 2025	Invalid	Initial release
S1	Oct. 27, 2025	Valid	Delete test item

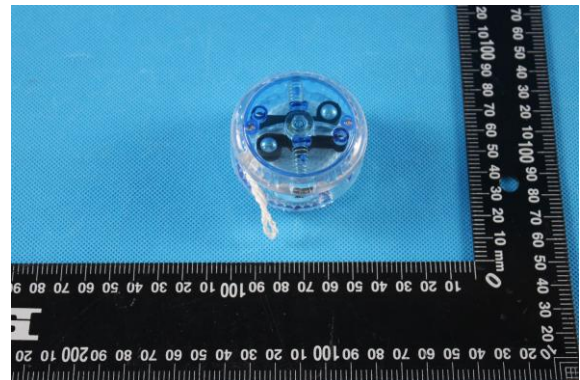
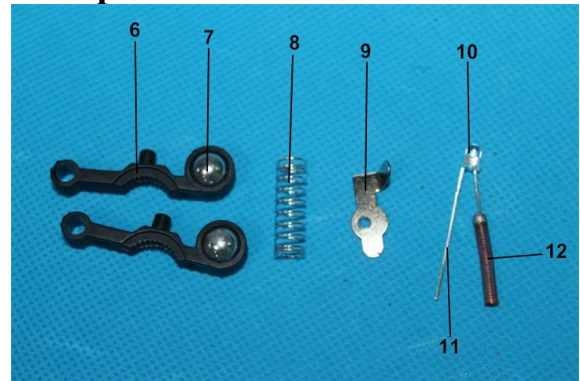
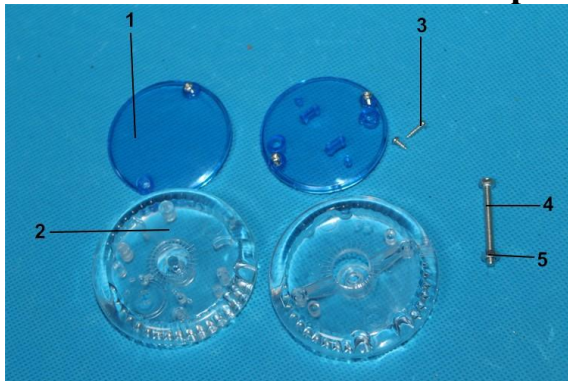
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The photo of the sample



The photo of AGC05443251010-001S1 is for use only with the original report.

Test Point Description

Test point	Test module	Test parts	Test point description
Model : IT3854			
1	---	---	Blue semi-transparent plastic shell
2	---	---	Transparent plastic shell
3	---	---	Metal screw
4	---	---	Metal screw
5	---	---	Metal nut
6	---	---	Black fixed bracket
7	---	---	Metal ball beads
8	---	---	Silver metal spring
9	---	---	Metal sheet
10	---	---	LED lamp
11	---	---	Metal pins
12	---	---	Copper-colored metal spring
13	---	---	Black plastic shaft
14	---	---	Yellow plastic shaft
15	---	---	Orange-red silicone ring
16	---	---	White rope

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1-1	---	---	Blue semi-transparent plastic shell
1-2	---	---	Transparent plastic shell
1-16	---	---	White rope

Note: "---" = The test point exists alone in the sample and is not attached to the test module or test parts.

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Test Results:

Note: N.D.=Not Detected (less than method detection limit), MDL = Method Detection Limit, 1mg/kg=0.0001%,

N/A= Not Applicable

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019/CNAS-GL015:2022.

2011/65/EU (RoHS) and its amendment directive (EU) 2015/863

- Pb, Cd, Hg, Cr⁶⁺, PBBs, PBDEs, DBP, BBP, DEHP, DIBP

Test Item	Test Method/ Instrument	MDL	Maximum Limit
Lead (Pb)	IEC 62321-3-1:2013/ XRF	/	1000mg/kg
Cadmium (Cd)		/	100mg/kg
Mercury (Hg)		/	1000mg/kg
Total Chromium		/	/
Total Bromine		/	/
Chemistry Method			
Lead (Pb)	IEC 62321-5:2013/ ICP-OES	2mg/kg	1000mg/kg
Cadmium (Cd)	IEC 62321-5:2013/ ICP-OES	2mg/kg	100mg/kg
Mercury (Hg)	IEC 62321-4: 2013+A1:2017/ ICP-OES	2mg/kg	1000mg/kg
Non-metal: Hexavalent Chromium (Cr ⁶⁺)	IEC 62321-7-2:2017/ UV-Vis	8mg/kg	1000mg/kg
Metal: Hexavalent Chromium (Cr ⁶⁺)	IEC 62321-7-1:2015/ UV-Vis	0.1µg/cm²	/
Polybrominated Biphenyls (PBBs) -Monobromobiphenyl (MonoBB) -Dibromobiphenyl (DiBB) -Tribromobiphenyl (TriBB) -Tetrabromobiphenyl (TetraBB) -Pentabromobiphenyl (PentaBB) -Hexabromobiphenyl (HexaBB) -Heptabromobiphenyl (HeptaBB) -Octabromobiphenyl (OctaBB) -Nonabromodiphenyl (NonaBB) -Decabromodiphenyl (DecaBB)	IEC 62321-6:2015/ GC-MS	Single 5mg/kg	Sum 1000mg/kg
PolybrominatedDiphenylethers (PBDEs) -Monobromodiphenyl ether (MonoBDE) -Dibromodiphenyl ether (DiBDE) -Tribromodiphenyl ether (TriBDE) -Tetrabromodiphenyl ether (TetraBDE) -Pentabromodiphenyl ether (PentaBDE) -Hexabromodiphenyl ether (HexaBDE) -Heptabromodiphenyl ether (HeptaBDE) -Octabromodiphenyl ether (OctaBDE) -Nonabromodiphenyl ether (NonaBDE) -Decabromodiphenyl ether (DecaBDE)	IEC 62321-6:2015/ GC-MS	Single 5mg/kg	Sum 1000mg/kg
Di-iso-butyl phthalate (DIBP)	IEC 62321-8:2017/ GC-MS	50mg/kg	1000mg/kg
Dibutyl phthalate (DBP)		50mg/kg	1000mg/kg
Butylbenzyl phthalate (BBP)		50mg/kg	1000mg/kg
Di-(2-ethylhexyl) Phthalate (DEHP)		50mg/kg	1000mg/kg

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Test point	Test Item	X-ray Fluorescence Spectrometry (XRF) mg/kg	Wet Chemistry Method mg/kg	Conclusion
1	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
2	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
3	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	N/A	/	
			/	
	DIBP	N/A	/	
	DBP	N/A	/	
	BBP	N/A	/	
	DEHP	N/A	/	
4	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	N/A	/	
			/	
	DIBP	N/A	/	
	DBP	N/A	/	
	BBP	N/A	/	
	DEHP	N/A	/	

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5	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	N/A	/	
			/	
	DIBP	N/A	/	
	DBP	N/A	/	
	BBP	N/A	/	
	DEHP	N/A	/	
6	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
7	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	N/A	/	
			/	
	DIBP	N/A	/	
	DBP	N/A	/	
	BBP	N/A	/	
	DEHP	N/A	/	
8	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	N/A	/	
			/	
	DIBP	N/A	/	
	DBP	N/A	/	
	BBP	N/A	/	
	DEHP	N/A	/	

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9	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	N/A	/	
			/	
	DIBP	N/A	/	
	DBP	N/A	/	
	BBP	N/A	/	
	DEHP	N/A	/	
10	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
11	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	N/A	/	
			/	
	DIBP	N/A	/	
	DBP	N/A	/	
	BBP	N/A	/	
	DEHP	N/A	/	
12	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	N/A	/	
			/	
	DIBP	N/A	/	
	DBP	N/A	/	
	BBP	N/A	/	
	DEHP	N/A	/	

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13	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
14	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
15	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	
16	Pb	BL	/	Conformity
	Cd	BL	/	
	Hg	BL	/	
	Cr(Cr ⁶⁺)	BL	/	
	Br	BL	/	
			/	
	DIBP	N/A	N.D.	
	DBP	N/A	N.D.	
	BBP	N/A	N.D.	
	DEHP	N/A	N.D.	

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Element	Unit	Non-metal	Metal	Composite Material
Cd	mg/kg	$BL \leq 70 - 3\sigma < X < 130 + 3\sigma \leq OL$	$BL \leq 70 - 3\sigma < X < 130 + 3\sigma \leq OL$	$BL \leq 50 - 3\sigma < X < 150 + 3\sigma \leq OL$
Pb	mg/kg	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 500 - 3\sigma < X < 1500 + 3\sigma \leq OL$
Hg	mg/kg	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 500 - 3\sigma < X < 1500 + 3\sigma \leq OL$
Cr	mg/kg	$BL \leq 700 - 3\sigma < X$	$BL \leq 700 - 3\sigma < X$	$BL \leq 500 - 3\sigma < X$
Br	mg/kg	$BL \leq 300 - 3\sigma < X$	N/A	$BL \leq 250 - 3\sigma < X$

Remark:

- (1) BL= Below Limit, OL= Over limited, IN = Inconclusive, Scanning by XRF and detected by chemical method, N/A = Not applicable.
- (2) Results were obtained by XRF for primary scanning, and further chemical testing by ICP (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) are recommended to be performed, if the concentration exceeds the above warning value.
- (3) The XRF scanning test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.
- (4) Boiling-water-extraction:(X represents the results of the tested sample)

Number	Colorimetric result (Cr(VI) concentration)	Judgement
1	$X < 0.1 \mu\text{g}/\text{cm}^2$	Negative
2	$0.1 \mu\text{g}/\text{cm}^2 \leq X \leq 0.13 \mu\text{g}/\text{cm}^2$	Uncertainty
3	$X > 0.13 \mu\text{g}/\text{cm}^2$	Positive

Negative indicates the absence of Cr(VI) on the tested areas concentration is below the limit of quantification. The coating is considered a non-Cr(VI) based coating.

Uncertainty indicates the absence of Cr(VI) on the tested areas unavoidable coating variations may influence the determination.

Positive indicates the presence of Cr(VI) on the tested areas concentration is above the limit of quantification and the statistical margin of error. The sample coating is considered to contain Cr(VI).

Storage conditions and production date of the tested sample are unavailable and thus result of Cr(VI) represent status of the sample at the time of testing.

- (5) This XRF Scanning report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes.

The result shown in this XRF scanning report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.

European Standard on Safety of Toys

- EN 71-1:2014+A1:2018: Mechanical and Physical Properties

Clause	Description	Result
4	GENERAL REQUIREMENTS	Pass
4.1	Material cleanliness	Pass
4.2	Assembly	N/A
4.3	Flexible plastics sheeting	N/A
4.4	Toy bags	N/A
4.5	Glass	N/A
4.6	Expanding materials	N/A
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
4.9	Protruding parts	N/A
4.10	Parts moving against each other	N/A
4.10.1	Folding and sliding mechanisms	N/A
4.10.2	Driving mechanisms	N/A
4.10.3	Hinges	N/A
4.10.4	Springs	N/A
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	N/A
4.12	Balloons	N/A
4.13	Cords of toy kites and other flying toys	N/A
4.14	Enclosures	N/A
4.14.1	Toys which a child can enter	N/A
4.14.2	Masks and helmets	N/A
4.15	Toys intended to bear the mass of a child	N/A
4.15.1	Toys propelled by a child or by other means	N/A
4.15.1.1	General	N/A
4.15.1.2	Warnings and instructions for use	N/A
4.15.1.3	Strength	N/A
4.15.1.4	Stability	N/A
4.15.1.5	Braking	N/A
4.15.1.6	Transmission and wheel arrangement	N/A
4.15.1.7	Adjustable seat pillar and handlebar stem minimum insertion marks	N/A
4.15.1.8	Electrically-driven ride-on toys	N/A
4.15.2	Toy bicycles	N/A
4.15.2.1	General	N/A
4.15.2.2	Warnings and instructions for use	N/A
4.15.2.3	Braking requirements	N/A
4.15.3	Rocking horses and similar toys	N/A
4.15.4	Toys not propelled by a child	N/A
4.15.5	Toy scooters	N/A
4.15.5.1	General	--
4.15.5.2	Warnings and instructions for use	N/A
4.15.5.3	Strength	N/A
4.15.5.4	Adjustable and folding steering tubes	N/A
4.15.5.5	Braking	N/A
4.15.5.6	Wheel size	N/A
4.15.5.7	Protruding parts	N/A
4.16	Heavy immobile toys	N/A
4.17	Projectiles	N/A
4.17.1	General	--

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4.17.2	All projectiles	N/A
4.17.2.1	Leading parts	N/A
4.17.2.2	Foam shaft projectiles with a suction cup as a leading part	N/A
4.17.2.3	Other types of projectile with a suction cup as a leading part	N/A
4.17.3	Projectile toys with stored energy	N/A
4.17.3.1	Energy limitation	N/A
4.17.3.2	Edges	N/A
4.17.3.3	Projectiles with a protective cap, cover or tip	N/A
4.17.3.4	Impact resistance	N/A
4.17.3.5	Improvised projectiles	N/A
4.17.4	Certain projectile toys without stored energy	N/A
4.17.4.1	Darts	N/A
4.17.4.2	Bows and arrows	N/A
4.17.4.3	Toy catapults and projectiles propelled by an elastic band	N/A
4.17.4.4	Projectile toys without stored energy where the discharge mechanism can store energy, only when held in place by the user	N/A
4.18	Aquatic toys and inflatable toys	N/A
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	N/A
4.20	Acoustics	N/A
4.21	Toys containing a non-electrical heat source	N/A
4.22	Small balls	N/A
4.23	Magnets	N/A
4.23.1	General	--
4.23.2	Toys other than magnetic/electrical experimental sets intended for children over 8 years	N/A
4.23.3	Magnetic/electrical experimental sets intended for children over 8 years	N/A
4.24	Yo-yo balls	N/A
4.25	Toys attached to food	N/A
4.26	Toy Disguise Costumes	N/A
4.27	Flying toys	N/A
4.27.1	General	N/A
4.27.2	Rotors and propellers on flying toys	N/A
4.27.3	Rotors and propellers on remote controlled flying toys	N/A
5	TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS	N/A
5.1	General requirements	N/A
5.2	Filling materials	N/A
5.3	Plastic sheeting	N/A
5.4	Cords, chains and electrical cables in toys	N/A
5.4.1	General	--
5.4.2	Cords and chains in toys intended for children under 18 months	N/A
5.4.2.1	Cords and chains with the potential to tangle	N/A
5.4.2.2	Two cords or chains with the potential to tangle	N/A
5.4.2.3	Separated cords and chains	N/A
5.4.2.4	Free length of cords and chains	N/A
5.4.3	Cords and chains in toys intended for children of 18 months or over but under 36 months	N/A
5.4.3.1	Cords and chains with the potential to tangle	N/A
5.4.3.2	Two cords or chains with the potential to tangle	N/A
5.4.3.3	Separated cords and chains	N/A
5.4.3.4	Free length of cords and chains	N/A
5.4.3.5	Cords and chains not suitable for children under 18 months	N/A
5.4.4	Fixed loops, tangled loops and nooses	N/A
5.4.5	Cords and chains on pull along toys	N/A
5.4.6	Electrical cables	N/A

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5.4.7	Cross-sectional dimension of certain cords	N/A
5.4.8	Self-retracting cords	N/A
5.4.9	Toys attached to or intended to be strung across a cradle, cot or perambulator	N/A
5.4.9.1	Toys intended to be strung across a cradle, cot or perambulator	N/A
5.4.9.2	Toys otherwise intended to be attached to a cradle, cot or perambulator	N/A
5.5	Liquid-filled toys	N/A
5.6	Speed limitation of electrically driven toys	N/A
5.7	Glass and porcelain	N/A
5.8	Shape and size of certain toys	N/A
5.9	Toys comprising monofilament fibres	N/A
5.10	Small balls	N/A
5.11	Play figures	N/A
5.12	Hemispheric-shaped toys	N/A
5.13	Suction cups	N/A
5.14	Straps intended to be worn fully or partially around the neck	N/A
5.15	Sledges with cords for pulling	N/A
6	PACKAGING	N/A
7	Warnings, markings and instructions for use	Pass
7.1	General	Pass
7.2	Toys not intended for children under 36 months	Pass
7.3	Latex balloons	N/A
7.4	Aquatic toys	N/A
7.5	Functional toys	N/A
7.6	Hazardous sharp functional edges and points	N/A
7.7	Projectile toys	N/A
7.8	Imitation protective masks and helmets	N/A
7.9	Toy kites	N/A
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	N/A
7.10.1	Roller skates, inline skates and skateboards	N/A
7.10.2	Ride-on toys without a braking device	N/A
7.10.3	Electrically-driven ride-on toys	N/A
7.10.4	Instructions for use	N/A
7.11	Toys intended to be strung across a cradle, cot, or perambulator	N/A
7.12	Liquid-filled teethingers	N/A
7.13	Percussion caps specifically designed for use in toys	N/A
7.14	Acoustics	N/A
7.15	Toy bicycles	N/A
7.16	Toys intended to bear the mass of a child	N/A
7.17	Toys comprising monofilament fibres	N/A
7.18	Toy scooters	N/A
7.19	Rocking horses and similar toys	N/A
7.20	Magnetic/electrical experimental sets	N/A
7.21	Toys with electrical cables exceeding 300 mm in length	N/A
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	N/A
7.23	Toys intended to be attached to a cradle, cot or perambulator	N/A
7.24	Sledges with cords for pulling	N/A
7.25	Flying toys	N/A
7.25.1	Flying toys	N/A
7.25.2	Remote controlled flying toys	N/A
7.26	Improvised projectiles	N/A

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European Standard on Safety of Toys

- EN 71-2:2020: Flammability

Clause	Requirements	Result
4	Requirements	Pass
4.1	General	Pass
4.2	Toys to be worn on the head	N/A
4.2.1	General	--
4.2.2	Beards, moustaches, wigs, etc, made from hair, pile or material with similar features (e.g. freehanging ribbons, paper or cloth strands), which protrude more than or equal to 50 mm from the surface of the toy	N/A
4.2.3	Beards, moustaches, wigs etc. made from hair, pile or material with similar features (e.g. freehanging ribbons, paper or cloth strands etc.), which protrude less than 50 mm from the surface of the toy	N/A
4.2.4	Full or partial moulded head masks	N/A
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 fabric masks which partially or fully cover the head, but excluding those items covered by 4.3	N/A
4.3	Toys disguise costumes and other toys intended to be worn by a child in play	N/A
4.4	Toys intended to be entered by a child	N/A
4.5	Soft Filled Toys (animals and dolls, etc) with a piled or textile surface	N/A

The Directive 2009/48/EC-Safety of Toys

- Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification)

	On product	On packaging
Washing/Cleaning instruction	N/A	N/A
CE marking	Absent	Present
Manufacturer's name	Absent	Absent
Manufacturer's address	Absent	Absent
Importer's name	Absent	Present
Importer's address	Absent	Present
Sample ID	Absent	Present
Remark 1:		
Washing/Cleaning label: According to Directive 2009/48/EC the following safety requirements apply regarding cleaning and washing: 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 toy must fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned.		
Remark 2:		
Toys made available on the market must bear the CE marking. The CE marking must be subject to the general principles set out in Article 30 of Regulation (EC) No 765/2008. The CE marking must be affixed visibly, legibly and indelibly to the toy, to an affixed label or to the packaging. In the case of small toys and toys consisting of small parts, the CE marking may alternatively be affixed to a label or an accompanying leaflet. Where, in the case of toys sold in counter displays, that is not technically possible, and on condition that the counter display was originally used as packaging for the toy, the CE marking may be affixed to the counter display. Where the CE marking is not visible from outside the packaging, if any, it shall as a minimum be affixed to the packaging. Where specific legislation does not impose specific dimensions, the CE marking must be at least 5 mm high.		
Remark 3:		
The manufacturer'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		

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accompanying the toy. This requirement applies also to the name and address etc. of any importer

Remark 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.

Note

Per the client's requirement, the testing age grading is 3+

N/A=Not Applicable; N/T=Not Tested; DNI = Did Not Ignite; IBSE = Ignite But Self-Extinguished; -- =No judgement required

European Standard on Safety of Toys

- EN 71-3:2019+A2:2024: Migration of Certain Elements (Al, Sb, As, Ba, B, Cd, Cr(III), Cr(VI), Co, Cu, Pb, Mn, Hg, Ni, Se, Sr, Sn, Zn)

Test Methods and Equipment: EN 71-3:2019+A2:2024; ICP-OES

Test Item(s)	Unit	Limit	MDL	Test Result(s)		
				1-1	1-2	1-16
Aluminium(Al)	mg/kg	28130	50	N.D.	N.D.	N.D.
Antimony(Sb)	mg/kg	560	2.0	N.D.	N.D.	N.D.
Arsenic(As)	mg/kg	47	0.5	N.D.	N.D.	N.D.
Barium(Ba)	mg/kg	18750	50	N.D.	N.D.	N.D.
Boron(B)	mg/kg	15000	50	N.D.	N.D.	N.D.
Cadmium(Cd)	mg/kg	17	0.3	N.D.	N.D.	N.D.
Chromium (III) (Cr(III))	mg/kg	460	0.2	N.D.	N.D.	N.D.
Chromium (VI) (Cr(VI))	mg/kg	0.053	0.005	N.D.	N.D.	N.D.
Cobalt(Co)	mg/kg	130	2.5	N.D.	N.D.	N.D.
Copper(Cu)	mg/kg	7700	50	N.D.	N.D.	N.D.
Lead(Pb)	mg/kg	23	0.25	N.D.	N.D.	N.D.
Manganese(Mn)	mg/kg	15000	50	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	94	1.0	N.D.	N.D.	N.D.
Nickel(Ni)	mg/kg	930	10	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	460	5	N.D.	N.D.	N.D.
Strontium(Sr)	mg/kg	56000	50	N.D.	N.D.	N.D.
Tin(Sn)	mg/kg	180000	50	N.D.	N.D.	N.D.
Zinc(Zn)	mg/kg	46000	50	N.D.	N.D.	N.D.
Conclusion				Conformity	Conformity	Conformity

Migration of Certain Elements: Permissible Limit for Different Materials (Unit: mg/kg)

Item	Category III In scraped-off toy material	Category II In liquid or sticky toy material	Category I In dry, brittle, powder-like or pliable toy material
Aluminium (Al)	28130	560	2250
Antimony (Sb)	560	11.3	45

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Arsenic (As)	47	0.9	3.8
Barium (Ba)	18750	375	1500
Boron (B)	15000	300	1200
Cadmium (Cd)	17	0.3	1.3
Chromium III(Cr(III))	460	9.4	37.5
Chromium VI (Cr(VI))	0.053	0.005	0.02
Cobalt (Co)	130	2.6	10.5
Copper (Cu)	7700	156	622.5
Lead (Pb)	23	0.5	2.0
Manganese (Mn)	15000	300	1200
Mercury (Hg)	94	1.9	7.5
Nickel (Ni)	930	18.8	75
Selenium (Se)	460	9.4	37.5
Strontium (Sr)	56000	1125	4500
Tin (Sn)	180000	3750	15000
Zinc (Zn)	46000	938	3750

Note:

1. “-” = If less than 0,010 g of toy material can be obtained, it is not required to analyse.
2. “*” = For accessible glass, metal and ceramic toys or toy parts, if they are not small parts, the soluble test is not required.

European Standard on Safety of Toys

- EN 71-3:2019+A2:2024: Migration of Certain Elements (Organic Tin)

Test Methods and Equipment: EN 71-3:2019+A2:2024; GC-MS

Test Item(s)	Unit	Limit	MDL	Test Result(s)		
				1-1	1-2	1-16
Organic Tin	mg/kg	12	0.15	N.D.	N.D.	N.D.
Conclusion				Conformity	Conformity	Conformity

Migration of Certain Elements: Permissible Limit for Different Materials (Unit: mg/kg)

Item	Category III In scraped-off toy material	Category II In liquid or sticky toy material	Category I In dry, brittle, powder-like or pliable toy material
Organic Tin	12	0.2	0.9

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Note:

1. “-” = If less than 0,010 g of toy material can be obtained, it is not required to analyse.
2. “*” = For accessible glass, metal and ceramic toys or toy parts, if they are not small parts, the soluble test is not required.
3. Migration of organic tin is expressed as tributyl tin cation content in mg/kg.

Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 51&52

- Phthalates Content

Test Methods and Equipment: IEC 62321-8:2017; GC-MS

Test Item(s)	Unit	Limit	MDL	Test Result(s)
				1-1+1-2
Diisobutyl phthalate (DIBP) CAS:84-69-5	%	0.1	0.005	N.D.
Dibutyl phthalate (DBP) CAS:84-74-2	%	0.1	0.005	N.D.
Butylbenzyl phthalate (BBP) CAS:85-68-7	%	0.1	0.005	N.D.
Di-(2-ethylhexyl) Phthalate (DEHP) CAS:117-81-7	%	0.1	0.005	N.D.
Di-n-octyl phthalate (DNOP) CAS:117-84-0	%	/	0.005	N.D.
Di-isononyl phthalate (DINP) CAS:28553-12-0, 68515-48-0	%	/	0.005	N.D.
Di-isodecyl phthalate(DIDP) CAS:26761-40-0, 68515-49-1	%	/	0.005	N.D.
Sum of DIBP +DBP+BBP+DEHP	%	0.1	/	N.D.
Sum of DNOP+DINP+DIDP	%	0.1	/	N.D.
Conclusion				Conformity

Remark:

1. As specified by client, the submitted samples were mixed to test, the test points: 1-1+1-2

Limit requirements of Phthalates

Toys and childcare articles	Each of DEHP, DBP, BBP, DIBP is less than 0.1% or the sum of DEHP+DBP+BBP+DIBP is less than 0.1%
Toys and childcare articles which can be placed in the mouth by children	The sum of DINP+DIDP+DNOP is less than 0.1%

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Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 50

- Polycyclic-aromatic Hydrocarbons (PAHs) Content

Test Methods and Equipment: Afps GS 2019:01 PAK; GC-MS

Test Item(s)	Unit	Limit	MDL	Test Result(s)
				1-1+1-2
Benzo[a]pyrene(BaP)	mg/kg	1	0.1	N.D.
Benzo[e]pyrene(BeP)	mg/kg	1	0.1	N.D.
Benzo[a]anthracene(BaA)	mg/kg	1	0.1	N.D.
Benzo[b]fluoranthene(BbF)	mg/kg	1	0.1	N.D.
Benzo[j]fluoranthene(BjFA)	mg/kg	1	0.1	N.D.
Benzo[k]fluoranthene(BkF)	mg/kg	1	0.1	N.D.
Chrysene(CHR)	mg/kg	1	0.1	N.D.
Dibenzo[a,h]anthracene(DBA)	mg/kg	1	0.1	N.D.
Conclusion				Conformity

Remark:

1. As specified by client, the submitted samples were mixed to test, the test points: 1-1+1-2

Limit requirements of Polycyclic-aromatic Hydrocarbons (PAHs) (Unit: mg/kg)

Items	CAS No.	Extender oils or used for the production of tyres or parts of tyres	Any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity	Toys, including activity toys, and childcare articles, any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity
Benzo[a]pyrene(BaP)	50-32-8	≤ 1	≤ 1	≤ 0.5
Benzo[e]pyrene(BeP)	192-97-2	/	≤ 1	≤ 0.5
Benzo[a]anthracene(BaA)	56-55-3	/	≤ 1	≤ 0.5
Benzo[b]fluoranthene(BbF)	205-99-2	/	≤ 1	≤ 0.5
Benzo[j]fluoranthene(BjFA)	205-82-3	/	≤ 1	≤ 0.5
Benzo[k]fluoranthene(BkF)	207-08-9	/	≤ 1	≤ 0.5
Chrysene(CHR)	218-01-9	/	≤ 1	≤ 0.5
Dibenzo[a,h]anthracene(DBA)	53-70-3	/	≤ 1	≤ 0.5
Sum of BaP+ BeP+ BaA+ BbF+ BjFA+ BkF+ CHR+ DBA	/	≤ 10	/	/

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Annex XVII of the REACH Regulation (EC) No 1907/2006, entry 5

- Benzene Content

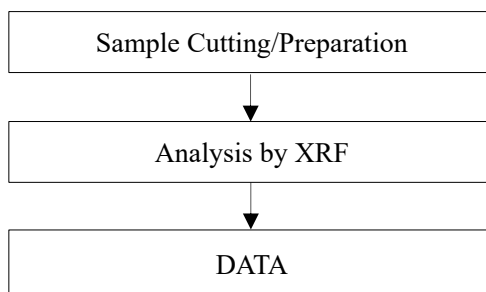
Test Methods and Equipment: EPA 3550C:2007 & EPA 8260D:2018; GC-FID

Test Item(s)	Unit	Limit	MDL	Test Result(s)
				1-1+1-2
Benzene	mg/kg	5	5	N.D.
Conclusion				Conformity

Remark:

- As specified by client, the submitted samples were mixed to test, the test points: 1-1+1-2

Test Flow Chart of XRF



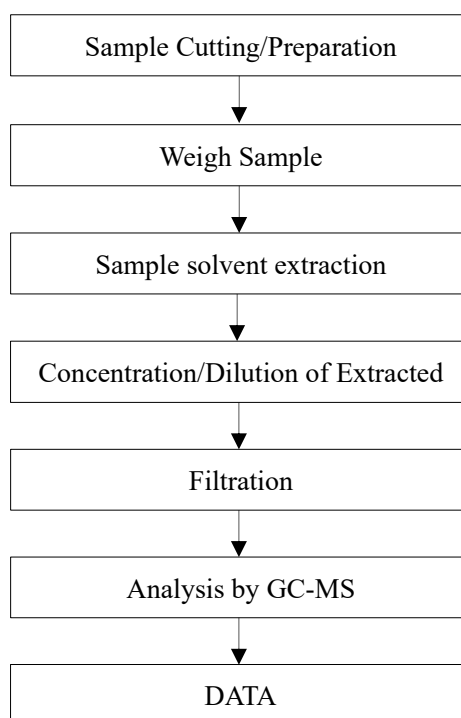
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Test Flow Chart of Phthalates



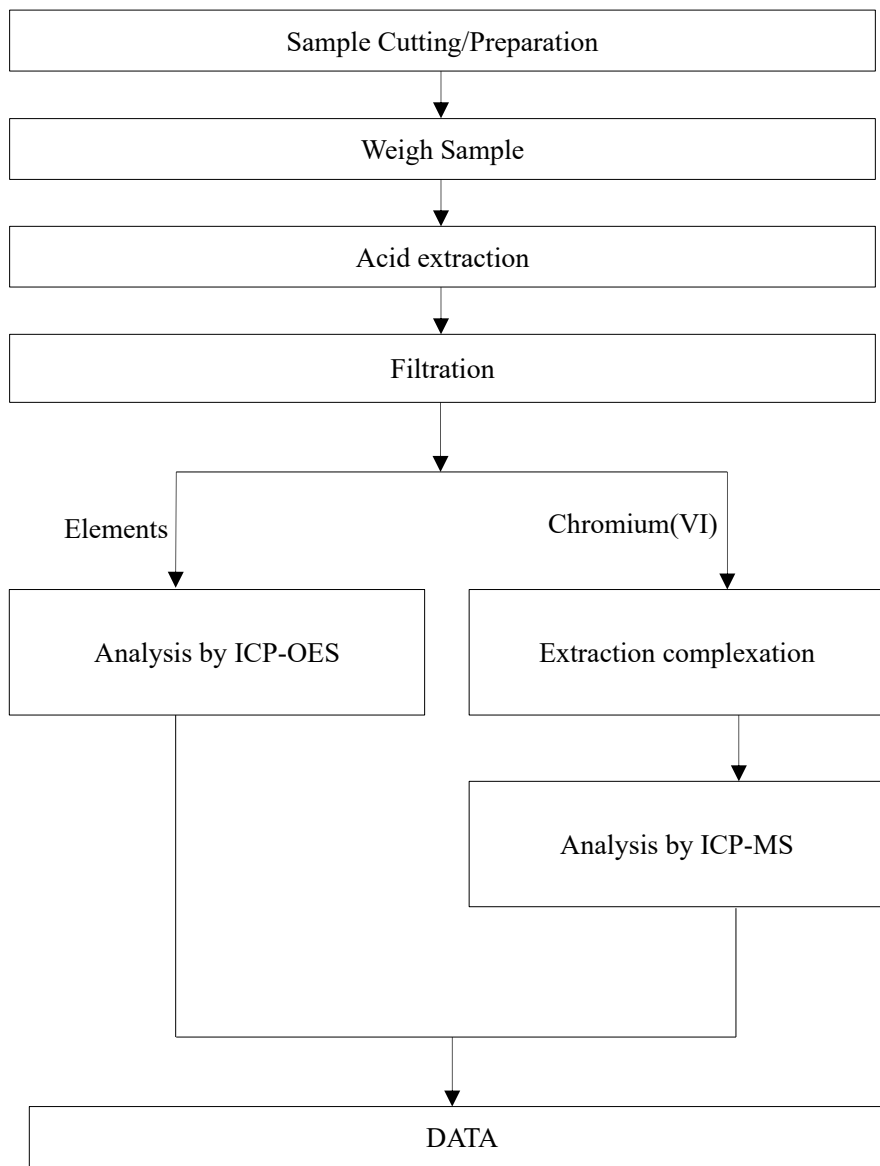
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Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd

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Test Flow Chart of Migration of Certain Elements



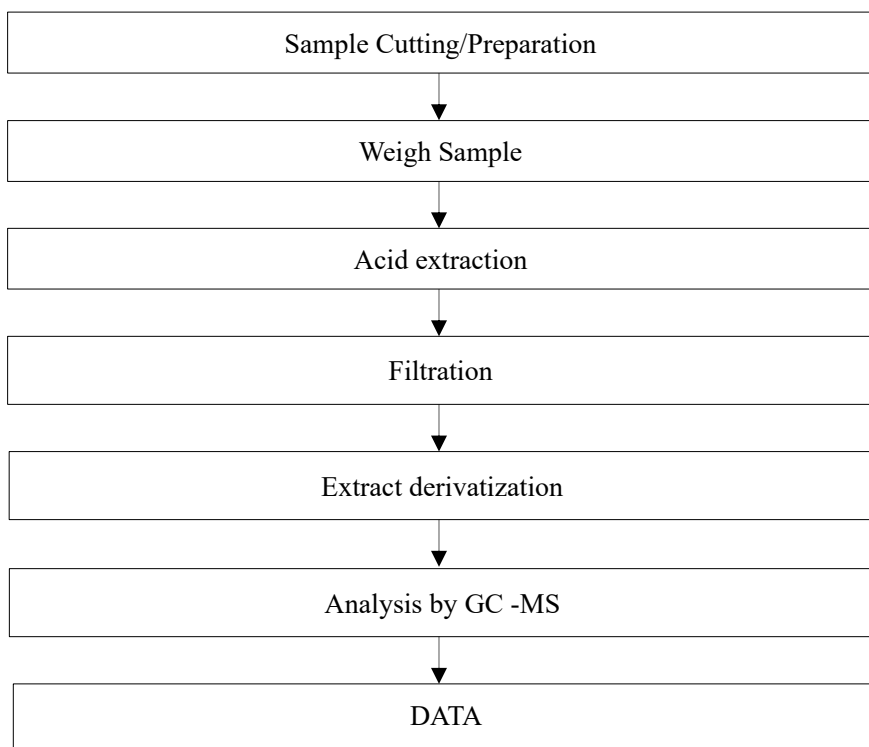
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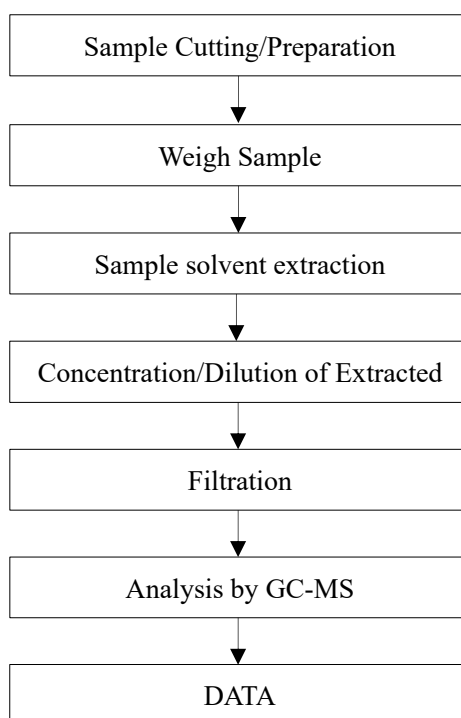
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Test Flow Chart of Migration of Certain Elements (Organic Tin)



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Test Flow Chart of Phthalates



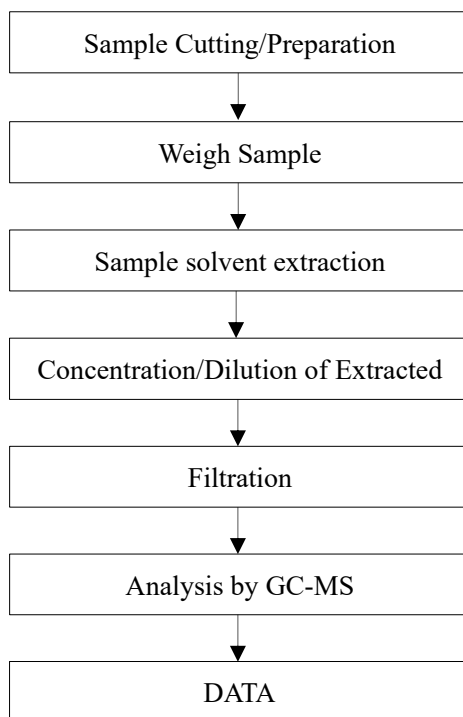
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Test Flow Chart of Polycyclic-aromatic Hydrocarbons (PAHs)



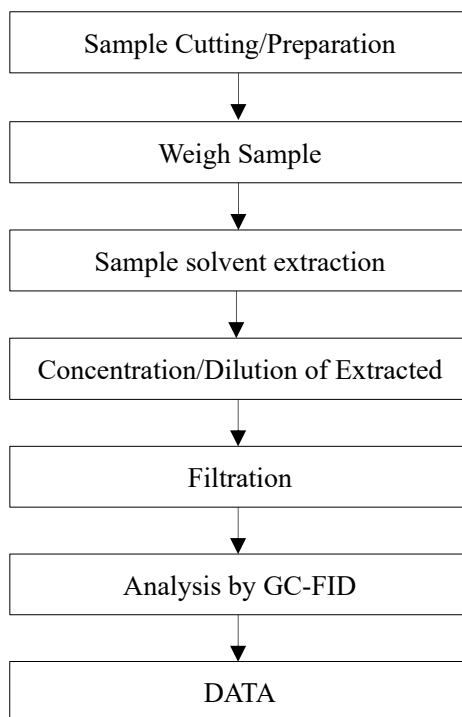
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Test Flow Chart of Benzene Homologues



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Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Std & Tech Co., Ltd. (the “Company”) solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the “Clients”).
2. Any report issued by Company as a result of this application for testing services (the “Report”) shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

*** End of Report ***

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Test Report

Report No.: AGC05443251010ES01

PRODUCT DESIGNATION : YoYo with light

BRAND NAME : N/A

MODEL NAME : IT3854

APPLICANT : MID OCEAN BRANDS B.V.

DATE OF ISSUE : Oct. 27, 2025

STANDARD(S) : EN IEC 62115:2020+A11:2020

REPORT VERSION : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd.



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TEST REPORT EN IEC 62115 Electric Toys - Safety	
Report reference No.....	AGC05443251010ES01
Tested by (+ signature).....	Mody Mo 
Reviewed by (+ signature).....	Jimmy Zhu 
Approved by (+ signature).....	Byron Wang (Authorized Officer) 
Date of issue	Oct. 27, 2025
Contents.....	Total 14 pages
Testing laboratory	
Name.....	Attestation of Global Compliance (Shenzhen) Co., Ltd.
Address	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao 'an District, Shenzhen, Gu angdong, China
Test location.....	Same as above
Applicant	
Name	MID OCEAN BRANDS B.V.
Address	Unit 711-716, 7/F., Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
Manufacturer	
Name	MID OCEAN BRANDS B.V.
Address	Unit 711-716, 7/F., Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
Factory	
Name	MID OCEAN BRANDS B.V.
Address	Unit 711-716, 7/F., Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong.
Test specification	
Standard.....	EN IEC 62115:2020+A11:2020
Test result.....	PASS
Procedure deviation.....	N/A
Non-standard test method.....	N/A

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Test Report Form/blank test report				
Test Report Form No.....		AGC62115A4		
TRF originator		AGC		
Master TRF.....		2020-08		
Test item				
Product designation.....		YoYo with light		
Brand name		N/A		
Test model.....		IT3854		
Series model.....		N/A		
Rating(s)		2 * LR41 button cell		
Labeled age grading.....		Not stated		
Age group applied in testing.....		3+		
Test case verdicts				
Test case does not apply to the test object ..		N(/A)		
Test item does meet the requirement		P(ass)		
Test item does not meet the requirement.....		F(ail)		
Testing				
Date of receipt of test item.....		Oct. 11, 2025		
Date(s) of performance of test.....		Oct. 11, 2025 – Oct. 27, 2025		
Attachments				
Attachment A.....		Photos of product		
Summary of testing				
The submitted sample complied with the requirement.				
Remark				
- It's declared by applicant that electrical circuit design, layout, components used and internal wiring of above items of products are identical to the particular tested sample. - According to the standard, instruction and other texts required by the standard should be written in the official language(s) of the country in which the product is to be sold. - Components shall comply with the safety requirements specified in the relevant IEC standards as far as they reasonably apply as specified in clause 15. - In order to comply with this standard, electric toys also have to comply with EN 71, since it covers hazards other than those arising by the use of electricity.				

Report Revise Record:				
Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Oct. 27, 2025	Valid	Initial Release

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EN IEC 62115			
Clause	Requirement-Test	Result-Remark	Verdict
5	General conditions for tests		
5.1	Preconditioning		N
	Prior to preconditioning, electric toys that require assembly are assembled in accordance with the manufacturer's instructions.	Not such toys	N
	The preconditioned sample is prepared by subjecting it to the following test methods in the order specified below, with batteries in position: - Tension test-for all electric toys, test method of EN71-1: 2014+A1:2018 clause 8.4; - Drop test - The drop test is not carried out on large and bulky electric toys, electric toys falling below the mass limits indicated in Table 5 shall be dropped onto a specified impact surface. After each drop, the electric toy shall be allowed to come to rest and shall be examined and evaluated before continuing; - Tip over test -for large and bulky electric toys, test method of EN71: 2014+A1:2018 clause 8.6. - Static strength test -for electric toys designed to bear the mass of a child, test method of EN71:2014+A1:2018 clause 8.21; - Dynamic strength test -for wheeled ride-on electric toys; - Tension test for seams and materials - test method of EN71: 2014+A1:2018 clause 8.4.2.2 for electric toys having textile or other flexible materials covering batteries or other electrical parts.		N
6	Criteria for reduced testing:		
6.1	For some electric toys it is not necessary to carry out all of the tests. Electric toys able to meet the following clauses are considered to comply with the clauses mentioned without further testing.		P
6.2	For electric toys that comply with the tests of Clause 9, except 9.6 and 9.8, with any insulation between parts of different polarity short-circuited in turn 13.3, 13.7 and Clauses 8, 9 except 9.6 and 9.8, 10, 11, 17 and 18 are not applicable. The short circuit may be applied by a flexible wire or any other suitable means.		N
6.3	Electric toys that meet both of the following criteria are considered to comply with the requirements of Clauses 9, 10 and 18 if they a) are supplied by a power source supplying less than 15 W; b) have an over temperature or over current protection where the clearance between conductive parts of different polarity is at least 3,8 mm for any part of the circuit between the power source and the protection.		N

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EN IEC 62115			
Clause	Requirement-Test	Result-Remark	Verdict
6.4	Circuits where the only power source comprises three batteries or less that are of the following designations: R44/LR44, R41/LR41, LR1130, LR54 are considered to comply with the requirements of Clause 9, 10, 11, 17 and 18.		P
7	Marking and instruction		
7.1	Instructions and other text required by this standard shall be written in an official language of the country in which the appliance is to be sold.		P
7.2.1	Toys or their packaging shall be marked with: -the name, trade mark or identification mark of the manufacturer or responsible vendor, -model or type reference		P
7.2.2	Battery toys with replaceable batteries shall be marked with: -the nominal battery voltage		P
	-symbol for d.c., if the toys has the battery box		N
7.2.3	Transformer toys shall be marked with the -rated voltage(V) -symbol for a.c. or d.c., -rated power input(if>25W or VA), -symbol for transformer for toys,	Not such toys	N
7.2.4	Dual supply toys shall be marked with the marking required for battery toys and transformer toys.	Not such toys	N
7.2.5	Detachable lamps shall be marked with: -the rated voltage and type number, or -the maximum power input, or -the maximum current.	No such lamps used	N
7.2.6	Symbol shall require comply with standard		P
7.2.7	The markings on an electric toy shall be legible and durable.		P
7.3.1	Instructions shall be provided that give details concerning cleaning and maintenance when necessary for the safe use and operation of the electric toy.		N
7.3.2	Instructions for electric toys using a transformer or a power supply or a battery charger		N
7.3.3.1	It shall be stated that the packaging must be retained since it contains important information.		P
7.3.3.2	Electric toys using replaceable coin batteries shall carry the substance of the following warning on the packaging: WARNING: Contains coin battery. Hazardous if swallowed – see instructions. Electric toys using replaceable coin batteries shall carry the substance of the following warning in the instructions: WARNING: This product contains a coin battery. A coin battery can cause serious internal chemical burns if		P

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EN IEC 62115			
Clause	Requirement-Test	Result-Remark	Verdict
	swallowed.		
7.3.3.3	Electric toys using replaceable button batteries shall carry the substance of the following warning in the instructions: WARNING: Dispose of used batteries immediately. Keep new and used batteries away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.		P
7.4	Instructions for electric toys that can be connected to class I equipment		N
7.5	Instructions for ride-on electric toys		N
7.6	Temperature warnings		N
8	Power input		N
9	Heating and abnormal operation.		
9.1	Toys shall not attain excessive temperatures in use.		N
9.2.1	Toys are placed in the most unfavorable position that can occur during play.		N
9.2.2	Electric toys using transformers and power supplies are supplied at 0,94 times or 1,06 times rated voltage, whichever is more unfavourable.		N
9.2.3	The temperature rises are determined by means of fine-wire thermocouples positioned so that they have minimum effect on the temperature of the part under test. Where thermocouples cannot successfully measure the maximum temperature during the test, thermal paper or other methods to measure temperature rise may be used.		N
9.2.4	The tests are continued until steady conditions are established. When non-self-resetting thermal cut-outs operate during the tests, they are reset a maximum of three times.		N
9.3	The temperature rises of the various parts are determined when toys are operated under normal operation.		N
9.4.1	The insulation between parts of different polarity which is accessible		N
9.4.2	Steel pin test		N
9.4.3	Steel rod test		N
9.5	Repeat clause 9.3, any control which limits the temperature short-circuited.		N
9.6	The test of 9.3 is repeated with accessible moving parts locked.		N
9.7	The additional power supply is connected for transformer toys and toys with battery boxes. Tested as in 9.3 and		N

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EN IEC 62115			
Clause	Requirement-Test	Result-Remark	Verdict
	9.4.		
9.8	For electric toys supplied with power from a USB connection, the test of 9.3 is repeated with the toy being supplied with a voltage of 42 V.		N
9.9	Compliance for electronic circuits		
9.9.1	Exemption of some circuits	<15W	N
9.9.2	Fault conditions		
	a) short-circuit of creepage distances and clearances between parts of different polarity		N
	b) open circuit at the terminals of any component		N
	c) short-circuit of capacitor		N
	d) short-circuit of any two terminals of an electronic component		N
	e) failure of triacs in the diode mode		N
	f) failure of an integrated circuit		N
9.10	During the tests, the temperature rises of accessible parts are monitored continuously.	No hazards, no damage.	N
10	Electric strength		
10.1	Electric strength at operating temperature (250V, 50Hz, 1Min)		N
10.2	Toys shall be resistance humidity (48h,T.H.93%, T=20°C~30°C) Electric strength under humid conditions	48h, T.H.93%, T=30°C	N
11	Battery toys intended to be used in water and toys likely to be cleaned with liquid shall have an enclosure providing the appropriate protection		N
12	Mechanical strength		
12.1	The toy is rigidly supported and six blows are applied to every point of the enclosure that is likely to be weak with an impact energy of 0.5 J	No hazards, no damage.	P
12.2	Non-detachable parts that prevent contact with moving parts or hot surfaces, or access to locations where explosion or fire could be initiated, shall be fixed in a reliable manner and shall withstand the mechanical stress occurring during normal use.		P
13	Construction		

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EN IEC 62115			
Clause	Requirement-Test	Result-Remark	Verdict
13.1	Toys shall be constructed to be supplied by a transformer for toys or by a battery having a nominal voltage not exceeding 24V		P
	The working voltage between any two parts of the toys shall not exceed 24V when the toy is supplied at rated voltage		P
13.2.1	The transformer of transformer toys shall not be an integral part of the toys	No such toy	N
13.2.2	Toys intended to be used in water shall not be transformer toys	No such toy	N
13.2.3	Toys intended for children under 3 years old shall not be transformer toys		N
13.3	The resetting of non-self-resetting thermal cutouts necessary for compliance with this standard	No such cutouts	N
13.4.1	For Small batteries: Batteries that fit wholly within the small parts cylinder as specified in 5.2 of ISO 8124-1:2014 shall not be removable without the aid of a tool.		P
13.4.2	For Other batteries: Batteries shall not be removable without the aid of a tool unless the security of the battery compartment cover is adequate.	See clause 13.4.6	N
13.4.3	Rechargeable batteries in toys shall not leak, the toy being in any position. The electrolyte shall not become accessible, even if a tool has to be used to remove covers or similar parts	No such battery	N
13.4.4	Electric toys that are used with batteries where the intended fixed position of the battery compartment can be above a child shall have a battery compartment that prevents battery electrolyte leakage from the electric toy. The requirement does not apply to electric toys using batteries where the total volume of all batteries is less than 100 mm ³ .	No such construction	N
13.4.5	Toys shall not be supplied by batteries connected in parallel are unless a mixture of used and new batteries, or the reverse insertion of batteries, does not impair compliance with this standard.		P
13.4.6	If screws or similar fasteners are used to secure a door or cover providing access to the battery compartment, the screw or similar fastener shall be captive to ensure that they remain with the door, cover or equipment.		P
13.5	Plugs and socket-outlets		N
13.6	It shall not be possible to charge rechargeable batteries when they are in the toy.	No such battery	N
13.7	Series motors having a power input exceeding 20W shall not be used.	No such motors used	N
13.8	Internal parts of a toy having a voltage exceeding 24 V		N

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EN IEC 62115			
Clause	Requirement-Test	Result-Remark	Verdict
13.9	Electric toys that can connect to class I equipment shall be safe when connected to that equipment in case of a fault in the equipment that the electric toy is connected to.		N
	a) the electric toy shall include an instruction to advise that the electric toy shall only be connected to equipment of Class II or class III		N
	b) conductive parts of computer toys electrically connected to a computer, console, monitor screen or other audio-video equipment shall not be accessible in the toy and the insulation between such parts and accessible parts shall have a thickness of at least 1 mm and an adequate electric strength.		N
13.10	The maximum speed of ride-on electric toys shall not exceed the limit specified in 4.23 of ISO 8124-1:2014.		N
14	Protection of cords and wires		
14.1	Wireways shall be smooth and free from sharp edges		P
14.2	Bare wiring and heating elements shall be rigid and fixed so that, during play, creepage distances and clearances cannot be reduced below the values specified in clause 17		P
15	Components		
15.1.1	Components with the safety requirements		P
15.1.2	Switches and automatic controls		N
15.1.3	Other components		N
15.2	Toys shall not be fitted with: -thermal cur-outs which can be reset by a soldering operation		P
	-mercury switches		N
15.3	Transformers for toys shall comply with IEC61558-2-7		N
15.4	Battery chargers compliance		N
15.5	Primary batteries supplied with electric toys shall comply with the relevant parts of the IEC 60086 series. Secondary batteries supplied with electric toys shall comply with IEC 62133.		P
16	Screws and connections		
16.1	Fixings, the failure of which may impair compliance with this standard and electrical connections shall withstand the mechanical stresses occurring during play.		P
16.2	Electrical connections carrying a current exceeding 0.5A.		N
17	Clearances and creepage distances		

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EN IEC 62115			
Clause	Requirement-Test	Result-Remark	Verdict
	Clearances and creepage distances of functional insulation shall not be less than 0.5mm		N
18	Resistance to fire		
18.1	Toys having a working voltage exceeding 12V and a current exceeding 3A		N
18.2	Parts of non-metallic material		N
18.2.1	Parts of non-metallic material enclosing electric parts, and parts of insulating material supporting electric parts, shall be resistant to ignition and spread of fire.		N
18.2.2	The glow-wire test		N
18.2.3	Parts of insulation material supporting connections carrying a current exceeding 3A and a working voltage exceeding 12V, and parts of insulating material with a distance of 3mm of such connection, are subjected to the glow-wire test of IEC60695-2-11 at a temperature of 650°C		N
19	Radiation and similar hazards		
19.1	Electric toys shall not emit harmful optical radiation or harmful electromagnetic radiation due to their operation in normal use.		P
19.2	Optical radiation	See appended table for detail.	P
19.3	Other electromagnetic radiation		N

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Annex E Safety of electric toys incorporating optical radiation sources		P	
The number of LED contained in the toy	☒ Only single LED used ☐ multiple LEDs used		
Are multiple LEDs separated by less than 40 mm distance to each other?	No		
Test distance (mm)	200		
light-emitting area (m ²)	0.000007065		
Peak wavelength λ (nm):	White		
	637	--	--
Spectral emission bandwidth wavelength scope (nm)	624-645	--	--
Spectral emission bandwidth (nm)	21	--	--
If have wavelength in Spectral emission bandwidth less than 400nm? (Yes or No)	No		
Measurement of emission (cd or W)/m ²	0.000007065*105600	--	--
Accessible emission limit (AEL) (cd or W)/m ²	38.4	--	--
For combination colour LEDs (Each colour shall be assigned a proportion of its AEL and the sum of those proportions shall not exceed 100 % of the individual AELs):			
Percentage of each LED or each colour (%):	--	--	--
The sum of those proportions (%)	--		
Note(s):	/		

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Attachment A
Photos of Product

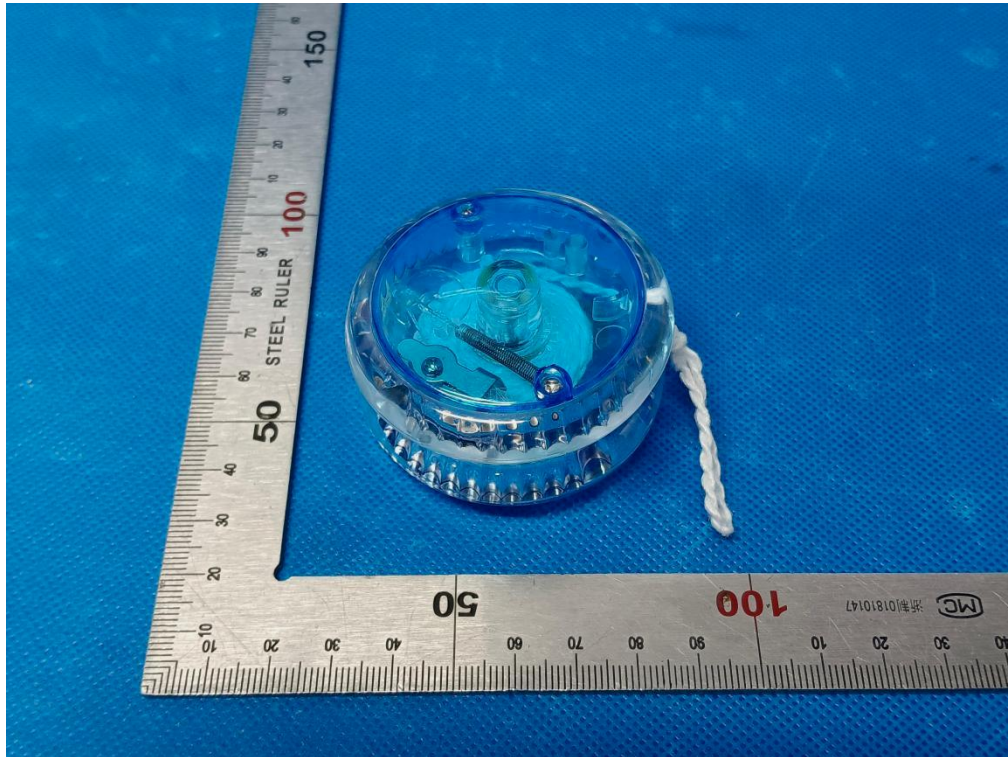


Fig.1 – Overall view

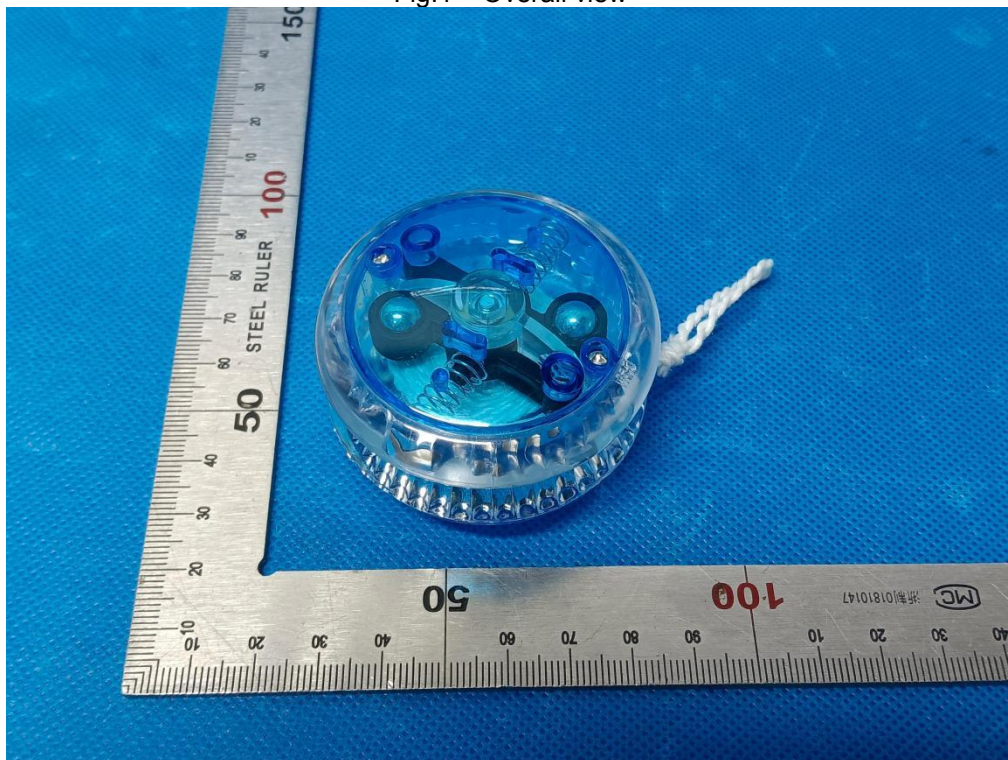


Fig.2 –Overall view

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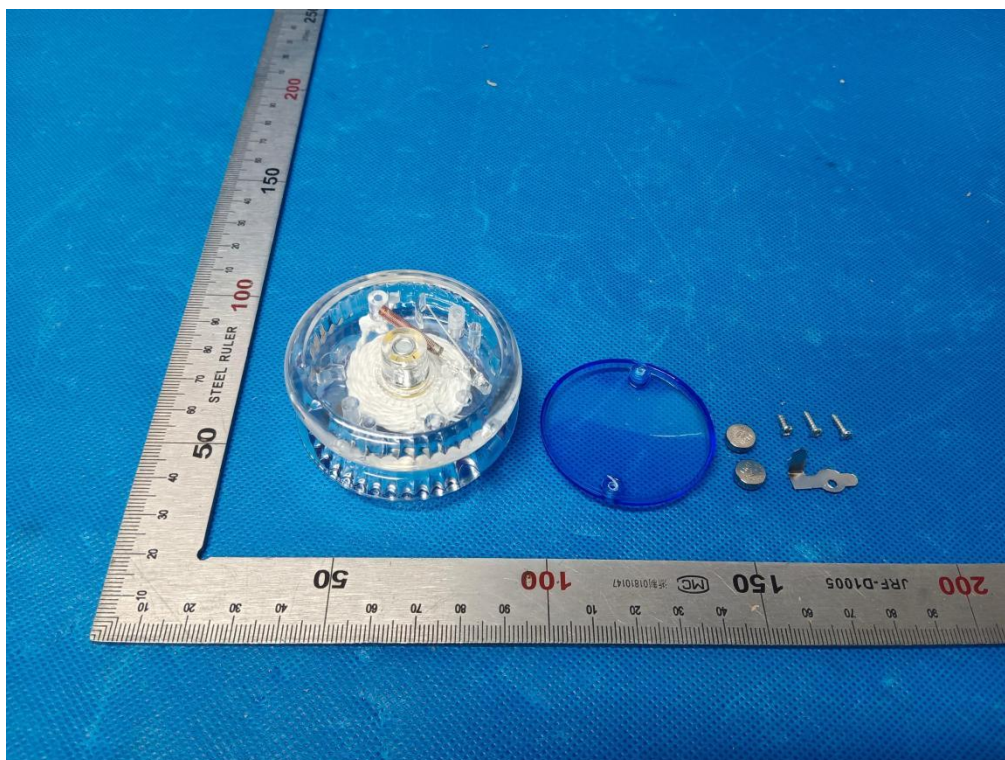


Fig.3 –Open view



Fig.4 –Part view

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Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").
2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

-----END OF REPORT-----

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