

TEST REPORT

Applicant : UNBELIEVABLE GAMES PTY LTD
Address : 304-318 The Kingsway, CARINGBAH NSW 2229
Sample description : CAULDRON CALL BOARD GAME
Item no. : CC-GAME-01
Country of origin : China
Country to import : US / EU / UK
Manufacturer : Panda Game Manufacturing Limited
Age requested on application form : 8+
Labelled age grade : 8+
Age grade applied in testing : Over 8 Years
Sample received date : 27 - Jul - 2026
Turn around time : 30 - Jul - 2026 to 12 - Aug - 2026

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Physical and Mechanical Hazards	EN 71 Part 1:2014+A1:2018	Pass
Physical and Mechanical Hazards	BS EN 71 Part 1:2014+A1:2018	Pass
Mechanical and Physical Properties	BS EN 71-1:2026	Pass
Mechanical and Physical Properties	EN 71-1:2026	Pass
Labeling Requirement	Directive 2009/48/EC	Pass
Labeling Requirement for United Kingdom	The Toys (Safety) Regulations 2011 and The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019	Pass
Flammability of Toys	EN 71 Part 2:2020	Pass
Flammability of Toys	BS EN 71 Part 2:2020	Pass
Migration of Certain Elements	EN 71 Part 3:2019+A2:2024	Pass
Migration of Certain Elements	BS EN 71 Part 3:2019+A2:2024	Pass
Electric toys - Safety	EN IEC 62115:2020+A11:2020	Pass

Eurofins (Changzhou) contact information**Customer service:** Rita.Yue@cpt.eurofinscn.com/ +86 0519 88778186**Sales specialist:** Stella.Qiu@cpt.eurofinscn.com/ 15299066312

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

Signed for and on behalf of
Eurofins Product Testing Service (Changzhou) Co., LtdJack Ma
Hardline Lab ManagerMarry Ma
Assistant Manager

Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Product Testing Service (Changzhou) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. Unless otherwise stated from the customer, regulation or the standard specification, Eurofins will apply it in accordance with ILAC G8:09/2019-(binary statement for simple acceptance rule). If you happen to have any comments, please do it by sending email to info.cz@cpt.eurofinscn.com and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins Product Testing Service (Changzhou) Co., Ltd. If you happen to have any complaints, please do it by sending email to chinacomplaint.cz@cpt.eurofinscn.com and referring to this report number.

SAMPLE PHOTO(S)



A



A



A



A

EFBH26071733-CG-01

TO BE CONTINUED

COMPONENT LIST

Component No.	Component	Sample No.
1	Deep blue coating bottom	A
2	White coating dice	A
3	Grey plastic faucet	A
4	Purple plastic wheels	A
5	Black matte plastic body	A
6	Black glossy plastic back	A
7	Black plastic plug	A
8	Ginger yellow plastic component	A
9	Transparent plastic hang tag	A
10	Green transparent plastic dice	A
11	Purple transparent plastic dice	A
12	Black soft plastic wheels	A
13	Black soft plastic charging cable	A
14	Transparent soft plastic with adhesive book	A
15	Multi color printing paper with transparent film cardboard	A
16	Multi-color printed card	A
17	Multi colored printing paper game book	A
18	Brown cardboard	A
19	Silver metal screw with black plating	A

TO BE CONTINUED

TEST RESULT

Physical and Mechanical Hazards

Test Request: As specified in European Standard on Safety of Toys EN 71 Part 1:2014+A1 :2018
Test Sample: A

Section	Description	Result
4	General requirements	
4.1	Material cleanliness (by visual assessment)	P
4.2	Assembly	N/A
4.3	Flexible plastic sheeting	N/A
4.4	Toy Bags	N/A
4.5	Glass	N/A
4.6	Expanding Materials	N/A
4.7	Edges	P
4.8	Points and Metallic Wires	P
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	
4.15.1	Toys propelled by the child or by other means	N/A
4.15.2	Toy bicycles	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	Toys scooters	N/A
4.16	Heavy immobile toys	N/A
4.17	Projectiles	N/A
4.17.1	General	N/A
4.17.2	All projectiles	N/A
4.17.3	Projectile toy with stored energy	N/A
4.17.4	Certain projectile toys without stored energy	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
4.20.2.1	General	N/A
4.20.2.2	Close-to-the-ear toys	N/A
4.20.2.3	Table-top or floor toys	N/A
4.20.2.4	Hand-held toys	N/A
4.20.2.5	Toys using headphones or earphones	N/A
4.20.2.6	Rattles	N/A
4.20.2.7	Squeeze toys	N/A

TO BE CONTINUED

TEST RESULT

Section	Description	Result
4.20.2.8	Pull-along or push toys	N/A
4.20.2.9	Percussion toys	N/A
4.20.2.10	Wind toys	N/A
4.20.2.11	Cap-firing toys	N/A
4.20.2.12	Voice toys	N/A
4.21	Toys containing a non-electrical heat source	N/A
4.22	Small balls	N/A
4.23	Magnets	N/A
4.24	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	
5.1	General requirements	N/A
5.2	Soft-filled toys and soft-filled parts of a toy	N/A
5.3	Plastic sheeting	N/A
5.4	Cords, chains and electrical cables in toys	N/A
5.5	Liquid-filled toys	N/A
5.6	Speed limitation of electrically-driven ride-on 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	P
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	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	Projectiles 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
7.11	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	Toys bicycles	N/A
7.16	Toys intended to bear the mass of a child	N/A

TO BE CONTINUED

TEST RESULT

Section	Description	Result
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	Toy with electrical cables exceeding 300mm 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

Remark:

P - Pass, F - Fail, N/A - Not Applicable, N/C - Not Conduct as per client' s request

TO BE CONTINUED

TEST RESULT

Physical and Mechanical Hazards

Test Request: As specified in British Standard on Safety of Toys BS EN71 Part 1:2014+A1 :2018

Test Sample: A

Section	Description	Result
4	General requirements	
4.1	Material cleanliness (by visual assessment)	P
4.2	Assembly	N/A
4.3	Flexible plastic sheeting	N/A
4.4	Toy Bags	N/A
4.5	Glass	N/A
4.6	Expanding Materials	N/A
4.7	Edges	P
4.8	Points and Metallic Wires	P
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	
4.15.1	Toys propelled by the child or by other means	N/A
4.15.2	Toy bicycles	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	Toys scooters	N/A
4.16	Heavy immobile toys	N/A
4.17	Projectiles	N/A
4.17.1	General	N/A
4.17.2	All projectiles	N/A
4.17.3	Projectile toy with stored energy	N/A
4.17.4	Certain projectile toys without stored energy	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
4.20.2.1	General	N/A
4.20.2.2	Close-to-the-ear toys	N/A
4.20.2.3	Table-top or floor toys	N/A
4.20.2.4	Hand-held toys	N/A
4.20.2.5	Toys using headphones or earphones	N/A
4.20.2.6	Rattles	N/A
4.20.2.7	Squeeze toys	N/A

TO BE CONTINUED

TEST RESULT

Section	Description	Result
4.20.2.8	Pull-along or push toys	N/A
4.20.2.9	Percussion toys	N/A
4.20.2.10	Wind toys	N/A
4.20.2.11	Cap-firing toys	N/A
4.20.2.12	Voice toys	N/A
4.21	Toys containing a non-electrical heat source	N/A
4.22	Small balls	N/A
4.23	Magnets	N/A
4.24	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	
5.1	General requirements	N/A
5.2	Soft-filled toys and soft-filled parts of a toy	N/A
5.3	Plastic sheeting	N/A
5.4	Cords, chains and electrical cables in toys	N/A
5.5	Liquid-filled toys	N/A
5.6	Speed limitation of electrically-driven ride-on 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	P
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	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	Projectiles 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
7.11	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	Toys bicycles	N/A
7.16	Toys intended to bear the mass of a child	N/A

TO BE CONTINUED

TEST RESULT

Section	Description	Result
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	Toy with electrical cables exceeding 300mm 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

Remark:

P - Pass, F - Fail, NA - Not Applicable, NC - Not Conduct as per client's request

TO BE CONTINUED

TEST RESULT

Mechanical and Physical Properties

Test Request: As specified in British Standard on Safety of Toys BS EN 71-1:2026.

Test Sample: A

Section	Description	Result
4	General requirements	
4.1	Material cleanliness	P
4.2	Assembly	N/A
4.3	Flexible plastic sheeting	N/A
4.4	Toy Bags	N/A
4.5	Glass	N/A
4.6	Expanding Materials	N/A
4.7	Edges	P
4.8	Points and Metallic Wires	P
4.9	Protruding parts	N/A
4.10	Parts moving against each other	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
4.15	Toys intended to bear the mass of a child	N/A
4.16	Heavy immobile toys	N/A
4.17	Projectiles	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
4.24	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
4.28	Food-imitating toys	N/A
5	Toys intended for children under 36 months	
5.1	General requirements	N/A
5.2	Soft-filled toys and soft-filled parts of a toy	N/A
5.3	Plastic sheeting	N/A
5.4	Cords, chains and electrical cables in toys	N/A
5.5	Liquid-filled toys	N/A
5.6	Speed limitation of electrically-driven ride-on 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

TO BE CONTINUED

TEST RESULT

Section	Description	Result
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	P
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 Balloon	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	Projectiles	N/A
7.8	Imitation protective masks and helmets	N/A
7.9	Toy kites	N/A
7.10	Toys intended to be strung across a cradle, cot, or perambulator	N/A
7.11	Liquid filled teethingers	N/A
7.12	Percussion caps specifically designed for use in toys	N/A
7.13	Acoustics	N/A
7.14	Toys intended to bear the mass of a child	N/A
7.15	Toys comprising monofilament fibres	N/A
7.16	Magnetic/electrical experimental sets	N/A
7.17	Toy with electrical cables exceeding 300mm in length	N/A
7.18	Toys with cords or chains intended for children of 18 months and over but under 36 months	N/A
7.19	Toys intended to be attached to a cradle, cot or perambulator	N/A
7.20	Sledges with cords for pulling	N/A
7.21	Flying toys	N/A
7.22	Improvised projectiles	N/A

Remark:

P - Pass, F - Fail, NA - Not Applicable, NC - Not Conduct as per client's request

TO BE CONTINUED

TEST RESULT

Mechanical and Physical Properties

Test Request: As specified in European Standard on Safety of Toys EN 71-1:2026

Test Sample: A

Section	Description	Result
4	General requirements	
4.1	Material cleanliness	P
4.2	Assembly	N/A
4.3	Flexible plastic sheeting	N/A
4.4	Toy Bags	N/A
4.5	Glass	N/A
4.6	Expanding Materials	N/A
4.7	Edges	P
4.8	Points and Metallic Wires	P
4.9	Protruding parts	N/A
4.10	Parts moving against each other	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
4.15	Toys intended to bear the mass of a child	N/A
4.16	Heavy immobile toys	N/A
4.17	Projectiles	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
4.24	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
4.28	Food-imitating toys	N/A
5	Toys intended for children under 36 months	
5.1	General requirements	N/A
5.2	Soft-filled toys and soft-filled parts of a toy	N/A
5.3	Plastic sheeting	N/A
5.4	Cords, chains and electrical cables in toys	N/A
5.5	Liquid-filled toys	N/A
5.6	Speed limitation of electrically-driven ride-on 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

TO BE CONTINUED

TEST RESULT

Section	Description	Result
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	P
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 Balloon	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	Projectiles	N/A
7.8	Imitation protective masks and helmets	N/A
7.9	Toy kites	N/A
7.10	Toys intended to be strung across a cradle, cot, or perambulator	N/A
7.11	Liquid filled teethingers	N/A
7.12	Percussion caps specifically designed for use in toys	N/A
7.13	Acoustics	N/A
7.14	Toys intended to bear the mass of a child	N/A
7.15	Toys comprising monofilament fibres	N/A
7.16	Magnetic/electrical experimental sets	N/A
7.17	Toy with electrical cables exceeding 300mm in length	N/A
7.18	Toys with cords or chains intended for children of 18 months and over but under 36 months	N/A
7.19	Toys intended to be attached to a cradle, cot or perambulator	N/A
7.20	Sledges with cords for pulling	N/A
7.21	Flying toys	N/A
7.22	Improvised projectiles	N/A

Remark:

P - Pass, F - Fail, NA - Not Applicable, NC - Not Conduct as per client' s request

TO BE CONTINUED

TEST RESULT

Labeling Requirement

Test Request: Labeling requirement including Washing/Cleaning instruction, CE mark, importer / manufacturer name and address, product identification as specified in Directive 2009/48/EC
- Safety of toys

Test Sample: A

Labeling Content	Observation Result	Location	Conclusion
Washing/Cleaning Instruction	Not Applicable	/	/
CE Mark	Present, Correct form, CE marking (height >5.0 mm)	Packaging& Product	Pass
Importer's Name & Address	Present	Packaging	Pass
Manufacturer's Name & Address	Present	Packaging	Pass
Product ID	Present	Packaging	Pass

TO BE CONTINUED

TEST RESULT

Labeling Requirement for United Kingdom

Test Request: Labeling requirement including Washing/Cleaning instruction, compliance marking, importer / manufacturer name and address, product identification as specified in The Toys (Safety) Regulations 2011 and The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019

Test Sample: A

Labeling Content	Observation Result	Location	Conclusion
Washing/Cleaning Instruction	Not Applicable	/	/
UKCA Mark	Present, Correct form, UKCA marking (height >5.0 mm)	Packaging	Pass
Importer's Name & Address	Present	Packaging	Pass
Manufacturer's Name & Address	Present	Packaging& Product	Pass
Product ID	Present	Packaging& Product	Pass

TO BE CONTINUED

TEST RESULT

Flammability of Toys

Test Request: As Specified in European Standard on Safety of Toys EN71 Part 2:2020

Test Sample: A

Section	Description	Result
4	Requirements	
4.1	General Requirements	P
4.2	Toys to be worn on the head	N/A
4.3	Toy disguise costumes and 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	N/A

Remark:

P - Pass, F - Fail, N/A - Not Applicable, N/C - Not Conduct as per client' s request

TO BE CONTINUED

TEST RESULT

Flammability of Toys

Test Request: As Specified in British Standard on Safety of Toys BS EN71 Part 2:2020

Test Sample: A

Section	Description	Result
4	Requirements	
4.1	General Requirements	P
4.2	Toys to be worn on the head	N/A
4.3	Toy disguise costumes and 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	N/A

Remark:

P - Pass, F - Fail, NA - Not Applicable, NC - Not Conduct as per client' s request

TO BE CONTINUED

TEST RESULT

Migration of Certain Elements

Test Request: Migration of certain elements as specified in European Standard on Safety of Toys EN71 Part 3:2019+A2:2024.

Test Method: General elements, with reference to EN 71 Part 3:2019+A2:2024, analysis was performed by ICP-MS/ICP-OES;
Extractable Chromium (VI), with reference to EN 71 Part 3:2019+A2:2024, analysis was performed by IC-ICP-MS/IC-UV/Vis;
Extractable organic tin, with reference to EN 71 Part 3:2019+A2:2024, analysis was performed by GC-MS.

Test Item(s):	Unit	Result							
		2	3	4	5	6	7	8	9
Category Type		III	III	III	III	III	III	III	III
Extractable Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Arsenic (As)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Barium (Ba)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Cadmium (Cd)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Mercury (Hg)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Selenium (Se)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Boron (B)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Cobalt (Co)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Manganese (Mn)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Strontium (Sr)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Zinc (Zn)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Copper (Cu)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Aluminum (Al)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Nickel (Ni)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Tin (Sn)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Chromium (Cr)#2	mg/kg	0.110	0.247	0.028	0.415	ND	0.258	ND	0.412
Extractable Organic Tin#1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Chromium III (Cr III) #3	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Chromium VI (Cr VI)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND

Test Item(s):	Unit	Result							
		10	11	12	13	15	16	17	18
Category Type		III	III	III	III	III	III	III	III
Extractable Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Arsenic (As)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Barium (Ba)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Cadmium (Cd)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Mercury (Hg)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Selenium (Se)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Boron (B)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Cobalt (Co)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Manganese (Mn)	mg/kg	ND	ND	ND	ND	85	ND	ND	ND
Extractable Strontium (Sr)	mg/kg	ND	ND	ND	ND	66	67	ND	ND
Extractable Zinc (Zn)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Test Item(s):	Unit	Result							
		10	11	12	13	15	16	17	18
Category Type		III	III	III	III	III	III	III	III
Extractable Copper (Cu)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Aluminum (Al)	mg/kg	ND	ND	ND	ND	250	723	ND	806
Extractable Nickel (Ni)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Tin (Sn)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Chromium (Cr)#2	mg/kg	0.103	ND	0.243	ND	0.505	ND	0.204	0.793
Extractable Organic Tin#1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Chromium III (Cr III) #3	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Chromium VI (Cr VI)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND

Test Item(s):	Unit	Result							
		19							
Category Type		III							
Extractable Lead (Pb)	mg/kg	ND							
Extractable Antimony (Sb)	mg/kg	ND							
Extractable Arsenic (As)	mg/kg	ND							
Extractable Barium (Ba)	mg/kg	ND							
Extractable Cadmium (Cd)	mg/kg	ND							
Extractable Mercury (Hg)	mg/kg	ND							
Extractable Selenium (Se)	mg/kg	ND							
Extractable Boron (B)	mg/kg	ND							
Extractable Cobalt (Co)	mg/kg	ND							
Extractable Manganese (Mn)	mg/kg	ND							
Extractable Strontium (Sr)	mg/kg	ND							
Extractable Zinc (Zn)	mg/kg	ND							
Extractable Copper (Cu)	mg/kg	ND							
Extractable Aluminum (Al)	mg/kg	ND							
Extractable Nickel (Ni)	mg/kg	ND							
Extractable Tin (Sn)	mg/kg	ND							
Extractable Chromium (Cr)#2	mg/kg	2.281							
Extractable Organic Tin#1	mg/kg	ND							
Extractable Chromium III (Cr III) #3	mg/kg	ND							
Extractable Chromium VI (Cr VI)	mg/kg	ND							

Note:

#1 - The migration of organic tin is expressed as tributyltin.

#2 - If the migration of total Chromium is below the maximum limit for Chromium (VI), it can be inferred that the material complies with the requirements for both Chromium(III) and Chromium(VI).

#3 - In particular Chromium (III) is calculated by subtracting the Chromium (VI) concentration from the total chromium concentration.

Remarks:

mg/kg = milligram per kilogram

MDL = Method Detection Limit

ND = Not Detected, less than MDL

TO BE CONTINUED

TEST RESULT

Limits –MDL per category type:

Test Item(s):	Unit	Limit	MDL	Limit	MDL	Limit	MDL
Category Type		I		II		III	
Extractable Lead (Pb)	mg/kg	2.0	1.0	0.5	0.2	23	10
Extractable Antimony (Sb)	mg/kg	45	5	11.3	1	560	10
Extractable Arsenic (As)	mg/kg	3.8	0.2	0.9	0.1	47	5
Extractable Barium (Ba)	mg/kg	1500	50	375	10	18750	50
Extractable Cadmium (Cd)	mg/kg	1.3	0.1	0.3	0.05	17	1
Extractable Mercury (Hg)	mg/kg	7.5	0.5	1.9	0.2	94	10
Extractable Selenium (Se)	mg/kg	37.5	2	9.4	1	460	10
Extractable Boron (B)	mg/kg	1200	50	300	10	15000	50
Extractable Cobalt (Co)	mg/kg	10.5	1	2.6	0.2	130	10
Extractable Manganese (Mn)	mg/kg	1200	50	300	10	15000	50
Extractable Strontium (Sr)	mg/kg	4500	50	1125	50	56000	50
Extractable Zinc (Zn)	mg/kg	3750	50	938	50	46000	50
Extractable Copper (Cu)	mg/kg	622.5	10	156	10	7700	50
Extractable Aluminum (Al)	mg/kg	2250	50	560	50	28130	50
Extractable Nickel (Ni)	mg/kg	75	5	18.8	2	930	10
Extractable Tin (Sn)	mg/kg	15000	50	3750	50	180000	50
Extractable Organic Tin	mg/kg	0.9	0.2	0.2	0.2	12	0.2
Extractable Chromium	mg/kg	-	0.02	-	0.005	-	0.02
Extractable Chromium (III) (Cr III)	mg/kg	37.5	2	9.4	1	460	10
Extractable Chromium (VI) (Cr VI)	mg/kg	0.02	0.02	0.005	0.005	0.053	0.02

Category I: dry, brittle, powder-like or pliable toy material

Category II: liquid or sticky toy material

Category III: scraped-off toy material

“-” = Not Regulated

TO BE CONTINUED

TEST RESULT

Migration of Certain Elements

Test Request: Migration of certain elements as specified in British Standard on Safety of Toys BS EN 71 Part 3:2019+A2:2024.

Test Method: General elements, with reference to BS EN 71 Part 3:2019+A2:2024, analysis was performed by ICP-MS/ICP-OES;
Extractable Chromium (VI), with reference to BS EN 71 Part 3:2019+A2:2024, analysis was performed by IC-ICP-MS/IC-UV/Vis;
Extractable organic tin, with reference to BS EN 71 Part 3:2019+A2:2024, analysis was performed by GC-MS.

Test Item(s):	Unit	Result							
		2	3	4	5	6	7	8	9
Category Type		III	III	III	III	III	III	III	III
Extractable Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Arsenic (As)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Barium (Ba)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Cadmium (Cd)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Mercury (Hg)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Selenium (Se)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Boron (B)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Cobalt (Co)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Manganese (Mn)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Strontium (Sr)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Zinc (Zn)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Copper (Cu)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Aluminum (Al)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Nickel (Ni)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Tin (Sn)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Chromium (Cr)#2	mg/kg	0.110	0.247	0.028	0.415	ND	0.258	ND	0.412
Extractable Organic Tin#1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Chromium III (Cr III) #3	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Chromium VI (Cr VI)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND

Test Item(s):	Unit	Result							
		10	11	12	13	15	16	17	18
Category Type		III	III	III	III	III	III	III	III
Extractable Lead (Pb)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Antimony (Sb)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Arsenic (As)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Barium (Ba)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Cadmium (Cd)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Mercury (Hg)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Selenium (Se)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Boron (B)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Cobalt (Co)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Manganese (Mn)	mg/kg	ND	ND	ND	ND	85	ND	ND	ND
Extractable Strontium (Sr)	mg/kg	ND	ND	ND	ND	66	67	ND	ND
Extractable Zinc (Zn)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Test Item(s):	Unit	Result							
		10	11	12	13	15	16	17	18
Category Type		III	III	III	III	III	III	III	III
Extractable Copper (Cu)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Aluminum (Al)	mg/kg	ND	ND	ND	ND	250	723	ND	806
Extractable Nickel (Ni)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Tin (Sn)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Chromium (Cr)#2	mg/kg	0.103	ND	0.243	ND	0.505	ND	0.204	0.793
Extractable Organic Tin#1	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Chromium III (Cr III) #3	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND
Extractable Chromium VI (Cr VI)	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND

Test Item(s):	Unit	Result							
		19							
Category Type		III							
Extractable Lead (Pb)	mg/kg	ND							
Extractable Antimony (Sb)	mg/kg	ND							
Extractable Arsenic (As)	mg/kg	ND							
Extractable Barium (Ba)	mg/kg	ND							
Extractable Cadmium (Cd)	mg/kg	ND							
Extractable Mercury (Hg)	mg/kg	ND							
Extractable Selenium (Se)	mg/kg	ND							
Extractable Boron (B)	mg/kg	ND							
Extractable Cobalt (Co)	mg/kg	ND							
Extractable Manganese (Mn)	mg/kg	ND							
Extractable Strontium (Sr)	mg/kg	ND							
Extractable Zinc (Zn)	mg/kg	ND							
Extractable Copper (Cu)	mg/kg	ND							
Extractable Aluminum (Al)	mg/kg	ND							
Extractable Nickel (Ni)	mg/kg	ND							
Extractable Tin (Sn)	mg/kg	ND							
Extractable Chromium (Cr)#2	mg/kg	2.281							
Extractable Organic Tin#1	mg/kg	ND							
Extractable Chromium III (Cr III) #3	mg/kg	ND							
Extractable Chromium VI (Cr VI)	mg/kg	ND							

Note:

#1 - The migration of organic tin is expressed as tributyltin.

#2 - If the migration of total Chromium is below the maximum limit for Chromium (VI), it can be inferred that the material complies with the requirements for both Chromium(III) and Chromium(VI).

#3 - In particular Chromium (III) is calculated by subtracting the Chromium (VI) concentration from the total chromium concentration.

Remarks:

mg/kg = milligram per kilogram

MDL = Method Detection Limit

ND = Not Detected, less than MDL

TO BE CONTINUED

TEST RESULT

Limits –MDL per category type:

Test Item(s):	Unit	Limit	MDL	Limit	MDL	Limit	MDL
Category Type		I		II		III	
Extractable Lead (Pb)	mg/kg	2.0	1.0	0.5	0.2	23	10
Extractable Antimony (Sb)	mg/kg	45	5	11.3	1	560	10
Extractable Arsenic (As)	mg/kg	3.8	0.2	0.9	0.1	47	5
Extractable Barium (Ba)	mg/kg	1500	50	375	10	18750	50
Extractable Cadmium (Cd)	mg/kg	1.3	0.1	0.3	0.05	17	1
Extractable Mercury (Hg)	mg/kg	7.5	0.5	1.9	0.2	94	10
Extractable Selenium (Se)	mg/kg	37.5	2	9.4	1	460	10
Extractable Boron (B)	mg/kg	1200	50	300	10	15000	50
Extractable Cobalt (Co)	mg/kg	10.5	1	2.6	0.2	130	10
Extractable Manganese (Mn)	mg/kg	1200	50	300	10	15000	50
Extractable Strontium (Sr)	mg/kg	4500	50	1125	50	56000	50
Extractable Zinc (Zn)	mg/kg	3750	50	938	50	46000	50
Extractable Copper (Cu)	mg/kg	622.5	10	156	10	7700	50
Extractable Aluminum (Al)	mg/kg	2250	50	560	50	28130	50
Extractable Nickel (Ni)	mg/kg	75	5	18.8	2	930	10
Extractable Tin (Sn)	mg/kg	15000	50	3750	50	180000	50
Extractable Organic Tin	mg/kg	0.9	0.2	0.2	0.2	12	0.2
Extractable Chromium	mg/kg	-	0.02	-	0.005	-	0.02
Extractable Chromium (III) (Cr III)	mg/kg	37.5	2	9.4	1	460	10
Extractable Chromium (VI) (Cr VI)	mg/kg	0.02	0.02	0.005	0.005	0.053	0.02

Category I: dry, brittle, powder-like or pliable toy material

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Category III: scraped-off toy material

“-” = Not Regulated

TO BE CONTINUED

TEST RESULT

Physical and Mechanical Hazards ▲

Test Request: As specified in European Standard on Safety of Toys EN IEC 62115:2020+A11:2020

Test Sample: A

5	General conditions for the tests	—
6	Criteria for reduced testing	—
7	Marking and instructions	P
8	Power input	N/A
9	Heating and abnormal operation	P (see Table1)
10	Electric strength	P
11	Electric toys used in water, electric toys used with liquid and electric toys cleaned with liquid	N/A
12	Mechanical strength	P
13	Construction	P
14	Protection of cords and wires	P
15	Components	P
16	Screws and connections	P
17	Clearances and creepage distances	P
18	Resistance to heat and fire	P
19	Radiation and similar hazards	P (See test data 1)

A	ANNEX A, Experimental sets	—
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B	ANNEX B, Need-flame test	P
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C	ANNEX C, Automatic controls and switches	—
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TO BE CONTINUED

TEST RESULT

D	ANNEX D, Electric toys with protective electronic circuits	—
E	ANNEX E, Safety of electric toys incorporating optical radiation sources	P
F	ANNEX F, Flowcharts showing the assessment of optical radiation safety of LEDs in electric toys	—
G	ANNEX G, Examples of calculations on LEDs	—
H	ANNEX H, Explanation of the principles used for the requirements of Annex E	—
I	ANNEX I, Electric toys generating electromagnetic fields (EMF)	P
J	ANNEX J, Safety of remote controls for electric ride-on toys	—

Table1:

Heating and abnormal operation

Temperature rise (9.3 Normal operation): Battery type:DC 3.7V rechargeable Lithium battery.		
Location	Temperature Rise (K)	Limit (K)
Battery surface	5.5	45
Enclosure close to battery	4.8	45
PCB	3.4	Ref.
Switch	0.8	50
Accessible surface (Max.)	0.5	50
Ambient temperature (Deg. C)	23.4℃	--
Product working normally. No flames, no dangerous.		

Temperature rise (9.6 moving parts locked):Battery type: DC 3.7V rechargeable Lithium battery.		
Location	Temperature Rise (K)	Limit (K)
Battery surface	8.6	45
Enclosure close to battery	7.8	45
Switch	1.0	50
Accessible surface (Max.)	0.7	50
Ambient temperature (Deg. C)	23.4℃	---

TO BE CONTINUED

TEST RESULT

Product working normally.
No flames, no dangerous.

See test data 1:

Sample NO.	Test part	Wavelength Range(nm)	Measured Value(W/sr)	AEL(W/sr)	Result
SA260731 41-1	Group of color LEDs withen dlosure (Yellow mode)	$400 \leq \lambda < 780$	0.001	0.04	Pass
	Group of color LEDs withen dlosure (Blue mode)	$400 \leq \lambda < 780$	0.001	0.04	Pass
	Group of color LEDs withen dlosure (Red mode)	$400 \leq \lambda < 780$	0.001	0.04	Pass
	Group of color LEDs withen dlosure (color mode)	$400 \leq \lambda < 780$	0.001	0.04	Pass

▲The test item is subcontracted to other lab.

END OF THE REPORT