

Applicant: One for Fun Limited

3-5 Cambuslang Way, Gateway Office Park,

Cambuslang, Glasgow, G32 8ND

Attn: Meimei

Sample Description:

Three (3) sets of submitted sample said to be:

Glow Stick, Glow Bracelet, Glow Wide Bracelet, Reference Name

Glow Necklace, Glow Eyeglasses, Glow Ring, Glow Earring, Glow Pendant Necklace, Glow Cap,

Glow Lantern, Glow Concert Stick, **Glow Whistle With Assorted Colors** 

Green/Blue/Yellow/Pink/Purple/Orange/Red/White/Aqua

Reference No.

BR01-R096, BR06-R020, MGP86-R024, GE03-R096, GE05-R096, MGP86-R024, 705892, 707436, SV8497, SV14710

Not specified & 3+ & 6+ Labelled Age Group

Appropriate Age Grading Over 3 years Applicant Specified Age Over 3 years

Grading for Testing

Packaging Provided by Yes

Applicant

Additional Material and Wet No

Paint Provided

Country of Origin China

Date Sample Received Apr 06, 2022

Testing Period Apr 06, 2022 ~ May 10, 2022





Date:

Jun 06, 2022







SZHH0167178106 **Test Report** Number:













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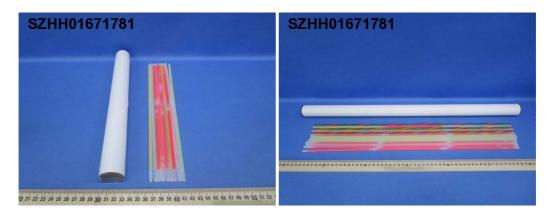




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## Tests conducted:

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







Conclusion:

**Tested Samples** Standard Result EN 71-1: 2014+A1: 2018 Submitted samples **Pass** 

for mechanical and physical properties

EN 71 Part 2: 2011+A1: 2014 Flammability test **Pass** 

excluding flammability test on liquid.

EN 71-2: 2020 Flammability test **Pass** excluding flammability test on liquid.

Flash Point Test See test conducted

**Tested Sample** Standard/Testing Item Short Chain Chlorinated Paraffin (C10 - C13) (SCCP) content Tested component(s) of submitted samples requirement in Regulation (EU) 2019/1021 on persistent

organic pollutants (POPs) content

EN 71-3:2019+A1:2021 on migration of certain elements **Pass** 

Cadmium Content Requirement in Annex XVII Entry 23 of the REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009, (EU) No 494/2011, (EU) No 835/2012 and (EU) 2016/217

Phthalates Content Requirement in Annex XVII Entry 51 & 52

of the REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009 and (EU) 2018/2005

Authorized by:

For Intertek Testing Services

Intertek Testing Services Shenzhen Ltd.

深圳天祥质量技术服务有限公司

Shenzhen Ltd.

Rachel L. Guo General Manager



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www.intertek.com.cn

www.intertek.com

Result

**Pass** 

**Pass** 

**Pass** 





SZHH0167178106 **Test Report** Number:

**Tests Conducted** 

#### 1 Mechanical and Physical Test

Test standard: European Standard on Safety of toys EN 71-1: 2014+A1: 2018.

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

Clause	Requirement	Result
4	General requirements	
4.1	Material	Р
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	Р
4.8	Points and metallic wires	Р
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	Р
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectile toys	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy disguise costumes	NA
4.27	Flying toys	NA
5	Toys intended for children under 36 months	







## **Tests Conducted**

Intertek Testing Services Shenzhen Ltd.

深圳天祥质量技术服务有限公司

5.1 General requirements 5.2 Soft-filled toys and soft-filled parts of a toy NA 5.3 Plastic sheeting NA 5.4 Cords, chains and electrical cables in toys 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 Siction 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 P 7 Warnings, markings and instructions for use R 6 Packaging 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 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 7.10 Proy scomprising monofilament fibres NA 7.11 Toys intended to be strung across a cradle, cot, or perambulator 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 7.11 Toys intended to be attracted to the mass of a child NA 7.12 Liquid-filled teethers NA 7.13 Percussion caps specifically designed for use in toys NA 7.11 Toys intended to be attracted as the mass of a child NA 7.12 Toys comprising monofilament fibres NA 7.13 Posy intended to be attached to a cradle, cot or perambulator NA 7.10 Roller skates, inline skates and skiller or to see in toys NA 7.11 Toys or to caps specifically designed for use in toys NA 7.12 Ciquid-filled teethers NA 7.13 Porcussion caps specifically designed for use in toys NA 7.14 Acoustics NA 7.15 Toys intended to be attached to a cradle, cot or perambulator NA 7.16 Toys with electrical experimental sets NA 7.17 Toys comprising monofilament fibres NA 7.20 Magnetic/electrical experimental sets NA 7.21 Sledges with	Clause	Requirement	Result
5.2       Soft-filled toys and soft-filled parts of a toy       NA         6.3       Plastic sheeting       NA         5.4       Cords, chains and electrical cables in toys       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         5.10       Small balls       NA         5.11       Paly 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       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       NA         7.4       Aqualic toys       NA		'	
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5.15 Sledges with cords for pulling NA 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 NA 7.4 Aquatic toys NA 7.5 Functional toys NA 7.6 Hazardous sharp functional edges and points NA 7.7 Projectile toys NA 7.8 Imitation protective masks and helmets NA 7.9 Toy kites NA 7.10 Roller skates, 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 teethers 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 7.20 Magnetic/electrical experimental sets NA 7.21 Toys with cords or chains intended for children of 18 months and over but under 36 months 7.22 Toys intended to be attached to a cradle, cot or perambulator	5.13	Suction cups	NA
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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         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         7.11       Toys intended to be strung across a cradle, cot, or perambulator       NA         7.12       Liquid-filled teethers       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         7.20       Magnetic/electrical experimental sets       NA         7.21       T	7	Warnings, markings and instructions for use	
7.3 Latex balloons 7.4 Aquatic toys 7.5 Functional toys 7.6 Hazardous sharp functional edges and points 7.7 Projectile toys 7.8 Imitation protective masks and helmets 7.9 Toy kites 7.10 Roller skates, inline skates and skateboards and certain other ride-on toys 7.11 Toys intended to be strung across a cradle, cot, or perambulator 7.12 Liquid-filled teethers 7.13 Percussion caps specifically designed for use in toys 7.14 Acoustics 7.15 Toy bicycles 7.16 Toys intended to bear the mass of a child 7.17 Toys comprising monofilament fibres 7.18 Toy scooters 7.19 Rocking horses and similar toys 7.20 Magnetic/electrical experimental sets 7.21 Toys with cords or chains intended for children of 18 months and over but under 36 months 7.22 Toys intended to be attached to a cradle, cot or perambulator 7.23 Toys intended to be attached to a cradle, cot or perambulator	7.1	General	Р
7.4       Aquatic toys       NA         7.5       Functional toys       NA         7.6       Hazardous sharp functional edges and points       NA         7.7       Projectile toys       NA         7.8       Imitation protective masks and helmets       NA         7.9       Toy kites       NA         7.10       Roller skates, 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 teethers       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 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 <t< td=""><td>7.2</td><td>Toys not intended for children under 36 months</td><td>Р</td></t<>	7.2	Toys not intended for children under 36 months	Р
7.5 Functional toys 7.6 Hazardous sharp functional edges and points 7.7 Projectile toys 7.8 Imitation protective masks and helmets 7.9 Toy kites 7.10 Roller skates, inline skates and skateboards and certain other ride-on toys 7.11 Toys intended to be strung across a cradle, cot, or perambulator 7.12 Liquid-filled teethers 7.13 Percussion caps specifically designed for use in toys 7.14 Acoustics 7.15 Toy bicycles 7.16 Toys intended to bear the mass of a child 7.17 Toys comprising monofilament fibres 7.18 Toy scooters 7.19 Rocking horses and similar toys 7.20 Magnetic/electrical experimental sets 7.21 Toys with electrical cables exceeding 300 mm in length 7.22 Toys with cords or chains intended for children of 18 months and over but under 36 months 7.23 Toys intended to be attached to a cradle, cot or perambulator 7.8 NA 7.9 NA	7.3	Latex balloons	NA
7.6 Hazardous sharp functional edges and points  7.7 Projectile toys  7.8 Imitation protective masks and helmets  7.9 Toy kites  7.10 Roller skates, inline skates and skateboards and certain other ride-on toys  7.11 Toys intended to be strung across a cradle, cot, or perambulator  7.12 Liquid-filled teethers  7.13 Percussion caps specifically designed for use in toys  7.14 Acoustics  7.15 Toy bicycles  7.16 Toys intended to bear the mass of a child  7.17 Toys comprising monofilament fibres  7.18 Toy scooters  7.19 Rocking horses and similar toys  7.20 Magnetic/electrical experimental sets  7.21 Toys with electrical cables exceeding 300 mm in length  7.22 Toys with cords or chains intended for children of 18 months and over but under 36 months  7.23 Toys intended to be attached to a cradle, cot or perambulator  NA  7.23 Toys intended to be attached to a cradle, cot or perambulator	7.4	Aquatic toys	NA
7.7 Projectile toys 7.8 Imitation protective masks and helmets 7.9 Toy kites 7.10 Roller skates, inline skates and skateboards and certain other ride-on toys 7.11 Toys intended to be strung across a cradle, cot, or perambulator 7.12 Liquid-filled teethers 7.13 Percussion caps specifically designed for use in toys 7.14 Acoustics 7.15 Toy bicycles 7.16 Toys intended to bear the mass of a child 7.17 Toys comprising monofilament fibres 7.18 Toy scooters 7.19 Rocking horses and similar toys 7.20 Magnetic/electrical experimental sets 7.21 Toys with electrical cables exceeding 300 mm in length 7.22 Toys with cords or chains intended for children of 18 months and over but under 36 months 7.23 Toys intended to be attached to a cradle, cot or perambulator  NA	7.5	Functional toys	NA
7.8Imitation protective masks and helmetsNA7.9Toy kitesNA7.10Roller skates, inline skates and skateboards and certain other ride-on toysNA7.11Toys intended to be strung across a cradle, cot, or perambulatorNA7.12Liquid-filled teethersNA7.13Percussion caps specifically designed for use in toysNA7.14AcousticsNA7.15Toy bicyclesNA7.16Toys intended to bear the mass of a childNA7.17Toys comprising monofilament fibresNA7.18Toy scootersNA7.19Rocking horses and similar toysNA7.20Magnetic/electrical experimental setsNA7.21Toys with electrical cables exceeding 300 mm in lengthNA7.22Toys with cords or chains intended for children of 18 months and over but under 36 monthsNA7.23Toys intended to be attached to a cradle, cot or perambulatorNA	7.6	Hazardous sharp functional edges and points	NA
7.9 Toy kites  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 teethers  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	7.7	Projectile toys	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 teethers       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	7.8	Imitation protective masks and helmets	NA
7.11 Toys intended to be strung across a cradle, cot, or perambulator  7.12 Liquid-filled teethers  7.13 Percussion caps specifically designed for use in toys  7.14 Acoustics  7.15 Toy bicycles  7.16 Toys intended to bear the mass of a child  7.17 Toys comprising monofilament fibres  7.18 Toy scooters  7.19 Rocking horses and similar toys  7.20 Magnetic/electrical experimental sets  7.21 Toys with electrical cables exceeding 300 mm in length  7.22 Toys with cords or chains intended for children of 18 months and over but under 36 months  7.23 Toys intended to be attached to a cradle, cot or perambulator  NA	7.9	Toy kites	NA
7.12 Liquid-filled teethers  7.13 Percussion caps specifically designed for use in toys  7.14 Acoustics  7.15 Toy bicycles  7.16 Toys intended to bear the mass of a child  7.17 Toys comprising monofilament fibres  7.18 Toy scooters  7.19 Rocking horses and similar toys  7.20 Magnetic/electrical experimental sets  7.21 Toys with electrical cables exceeding 300 mm in length  7.22 Toys with cords or chains intended for children of 18 months and over but under 36 months  7.23 Toys intended to be attached to a cradle, cot or perambulator  NA	7.10	Roller skates, inline skates and skateboards and certain other ride-on toys	NA
7.13 Percussion caps specifically designed for use in toys 7.14 Acoustics 7.15 Toy bicycles 7.16 Toys intended to bear the mass of a child 7.17 Toys comprising monofilament fibres 7.18 Toy scooters 7.19 Rocking horses and similar toys 7.20 Magnetic/electrical experimental sets 7.21 Toys with electrical cables exceeding 300 mm in length 7.22 Toys with cords or chains intended for children of 18 months and over but under 36 months 7.23 Toys intended to be attached to a cradle, cot or perambulator  NA	7.11	Toys intended to be strung across a cradle, cot, or perambulator	NA
7.14 Acoustics 7.15 Toy bicycles 7.16 Toys intended to bear the mass of a child 7.17 Toys comprising monofilament fibres 7.18 Toy scooters 7.19 Rocking horses and similar toys 7.20 Magnetic/electrical experimental sets 7.21 Toys with electrical cables exceeding 300 mm in length 7.22 Toys with cords or chains intended for children of 18 months and over but under 36 months 7.23 Toys intended to be attached to a cradle, cot or perambulator  NA	7.12	Liquid-filled teethers	NA
7.15 Toy bicycles 7.16 Toys intended to bear the mass of a child 7.17 Toys comprising monofilament fibres 7.18 Toy scooters 7.19 Rocking horses and similar toys 7.20 Magnetic/electrical experimental sets 7.21 Toys with electrical cables exceeding 300 mm in length 7.22 Toys with cords or chains intended for children of 18 months and over but under 36 months 7.23 Toys intended to be attached to a cradle, cot or perambulator  NA	7.13	Percussion caps specifically designed for use in toys	NA
7.16 Toys intended to bear the mass of a child 7.17 Toys comprising monofilament fibres 7.18 Toy scooters 7.19 Rocking horses and similar toys 7.20 Magnetic/electrical experimental sets 7.21 Toys with electrical cables exceeding 300 mm in length 7.22 Toys with cords or chains intended for children of 18 months and over but under 36 months 7.23 Toys intended to be attached to a cradle, cot or perambulator  NA	7.14	Acoustics	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 7.23 Toys intended to be attached to a cradle, cot or perambulator NA	7.15	Toy bicycles	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  7.23 Toys intended to be attached to a cradle, cot or perambulator  NA	7.16	Toys intended to bear the mass of a child	NA
7.19 Rocking horses and similar toys  7.20 Magnetic/electrical experimental sets  7.21 Toys with electrical cables exceeding 300 mm in length  7.22 Toys with cords or chains intended for children of 18 months and over but under 36 months  7.23 Toys intended to be attached to a cradle, cot or perambulator  NA	7.17	Toys comprising monofilament fibres	NA
7.20 Magnetic/electrical experimental sets  7.21 Toys with electrical cables exceeding 300 mm in length  7.22 Toys with cords or chains intended for children of 18 months and over but under 36 months  7.23 Toys intended to be attached to a cradle, cot or perambulator  NA	7.18	Toy scooters	NA
7.21 Toys with electrical cables exceeding 300 mm in length  7.22 Toys with cords or chains intended for children of 18 months and over but under 36 months  7.23 Toys intended to be attached to a cradle, cot or perambulator  NA	7.19	Rocking horses and similar toys	NA
7.22 Toys with cords or chains intended for children of 18 months and over but under 36 NA 7.23 Toys intended to be attached to a cradle, cot or perambulator NA	7.20	Magnetic/electrical experimental sets	NA
7.22 months 7.23 Toys intended to be attached to a cradle, cot or perambulator NA	7.21	Toys with electrical cables exceeding 300 mm in length	NA
	7.22		NA
7.24 Sledges with cords for pulling NA	7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
	7.24	Sledges with cords for pulling	NA

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### **Tests Conducted**

Clause	Requirement	Result
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

Abbreviation: P = Pass F = Fail NA = Not Applicable NR=Not Requested

- Age warning statement and indication of hazard was found on the packaging.

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.

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

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

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The manufacturer's and importer's name, registered trade name or registered trademark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the product itself.

After checking, it was found that

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

With reference to the guidance of using UKCA marking from 1 January 2021 by the Department for Business, Energy and Industrial Strategy.

After checking UKCA marking, it was found that

	Product	Packaging
UKCA marking	Absent	Absent



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**Tests Conducted** 

#### 2 Flammability Test

Test Standard: European Standard on Safety of Toys EN 71-2: 2011+A1: 2014

Clause	Testing items	Assessment
4.1	General	Р
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft filled toys	NA

Abbreviation: P = Pass F = Fail NA = Not applicable NR=Not Requested

Note:

The results of flammability test on liquid shall refer to the next test item.

#### 3 Flammability Test

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

Clause	Testing items	Assessment
4.1	General requirements	Р
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft filled toys	NA

Abbreviation: P = Pass F = Fail NA = Not applicable NR=Not Requested

## Note:

The results of flammability test on liquid shall refer to the next test item.







**Tests Conducted** 

#### 4 Flash Point Test

Test standard: EN ISO 3679: 2004, Determination of flashpoint — Rapid equilibrium closed cup method.

**Tested Component** Result (Flashpoint) (1) Liquid red Above 60°C (2) Liquid yellow Above 60°C (3) Liquid purple Above 60°C (4) Liquid green Above 60°C (5) Liquid orange Above 60°C

Remark: With reference to EN 71-2: 2020, the definitions of flammable liquid are as follows:

Flashpoint	Substance to be considered as
liquid having a flash point < 23 °C and initial boiling	Extremely flammable
point ≤ 35 °C	
liquid having a flash point < 23 °C and initial boiling point > 35 °C	Highly flammable
liquid having a flash point ≥ 23 °C and ≤ 60 °C	Flammable

### Results:

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According Regulation (EC) No 1272/2008, the liquid(s) are not considered to be an extremely flammable, highly flammable or flammable substance.







SZHH0167178106 **Test Report** Number:

**Tests Conducted** 

## Short Chain Chlorinated Paraffin (C10 - C13) (SCCP) Content

Solvent extraction method was used, Short Chain Chlorinated Paraffin (C10 - C13) (SCCP) content was determined by Gas Chromatography-Mass Spectrometry (GC-MS).

Test Item	CAS No.	Result				Units	D.L.	Limit	
rest item	CAS NO.	1+2+3	4+5+6	7+8+9	10+11	12+13+14	Ullits	D.L.	Lillin
Short Chained Chlorinated Paraffins (SCCP) C10~C13	85535-84-8	ND	ND	ND	ND	-	%	0.005	0.15
Short Chained Chlorinated Paraffins (SCCP) C10~C13	85535-84-8	-	-	-	-	ND	%	0.005	1
Test Item	CAS No.	Result			Units	D.L.	Limit		
rest item	CAS NO.	15+16+17	18+19+20	-	-	-	Ullits	D.L.	Lillin
Short Chained Chlorinated Paraffins (SCCP) C10~C13	85535-84-8	0.0063	ND	-	-	-	%	0.005	1

### Remarks:

D.L. = Detection Limit ND = Not detected

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

# Requirement:

Short Chain Chlorinated Paraffin's concentration should be lower than 0.15% in articles under Annex I Part A of the Regulation (EU) 2019/1021 on persistent organic pollutants (POPs).

Short Chain Chlorinated Paraffin's concentration should be lower than 1% in substances or mixtures under Annex I Part A of the Regulation (EU) 2019/1021 on persistent organic pollutants (POPs).







**Tests Conducted** 

## 19 Toxic Element Migration Test

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

Category (III): Scraped-off toy material

Took Hom			Result			l luita		1 : :-
Test Item	1	2	3	4	5	Units	D.L.	Limit
Aluminium (Al)	ND	ND	ND	ND	ND	mg/kg	300	28130
Antimony (Sb)	ND	ND	ND	ND	ND	mg/kg	10	560
Arsenic (As)	ND	ND	ND	ND	ND	mg/kg	10	47
Barium (Ba)	ND	ND	ND	ND	ND	mg/kg	10	18750
Boron (B)	ND	ND	ND	ND	ND	mg/kg	50	15000
Cadmium (Cd)	ND	ND	ND	ND	ND	mg/kg	5	17
Chromium (III) (Cr III)#	ND	ND	ND	ND	ND	mg/kg	10	460
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	mg/kg	0.025	0.053
Cobalt (Co)	ND	ND	ND	ND	ND	mg/kg	10	130
Copper (Cu)	ND	ND	ND	ND	ND	mg/kg	10	7700
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	10	23
Manganese (Mn)	ND	ND	ND	ND	ND	mg/kg	10	15000
Mercury (Hg)	ND	ND	ND	ND	ND	mg/kg	10	94
Nickel (Ni)	ND	ND	ND	ND	ND	mg/kg	10	930
Selenium (Se)	ND	ND	ND	ND	ND	mg/kg	10	460
Strontium (Sr)	ND	ND	ND	ND	ND	mg/kg	100	56000
Tin (Sn)	ND	ND	ND	ND	ND	mg/kg	2.5	180000
Organic tin++	ND	ND	ND	ND	ND	mg/kg	5	12
Zinc (Zn)	ND	ND	ND	ND	ND	mg/kg	100	46000



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**Tests Conducted** 

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Took Itam			Result			Units	D.I.	Limit	
Test Item	6	7	8	9	10	Units	D.L.	Limit	
Aluminium (Al)	ND	ND	ND	ND	ND	mg/kg	300	28130	
Antimony (Sb)	ND	ND	ND	ND	ND	mg/kg	10	560	
Arsenic (As)	ND	ND	ND	ND	ND	mg/kg	10	47	
Barium (Ba)	ND	ND	ND	ND	ND	mg/kg	10	18750	
Boron (B)	ND	ND	ND	ND	ND	mg/kg	50	15000	
Cadmium (Cd)	ND	ND	ND	ND	ND	mg/kg	5	17	
Chromium (III) (Cr III)#	ND	ND	ND	ND	ND	mg/kg	10	460	
Chromium (VI) (Cr VI)	ND	ND	ND	ND	ND	mg/kg	0.025	0.053	
Cobalt (Co)	ND	ND	ND	ND	ND	mg/kg	10	130	
Copper (Cu)	ND	ND	ND	ND	ND	mg/kg	10	7700	
Lead (Pb)	ND	ND	ND	ND	ND	mg/kg	10	23	
Manganese (Mn)	ND	ND	ND	ND	ND	mg/kg	10	15000	
Mercury (Hg)	ND	ND	ND	ND	ND	mg/kg	10	94	
Nickel (Ni)	ND	ND	ND	ND	ND	mg/kg	10	930	
Selenium (Se)	ND	ND	ND	ND	ND	mg/kg	10	460	
Strontium (Sr)	ND	ND	ND	ND	ND	mg/kg	100	56000	
Tin (Sn)	ND	ND	ND	ND	ND	mg/kg	2.5	180000	
Organic tin++	ND	ND	ND	ND	ND	mg/kg	5	12	
Zinc (Zn)	ND	ND	ND	ND	ND	mg/kg	100	46000	



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**Tests Conducted** 

T			Result	11		Ī,			
Test Item	11	-	-	-	-	Units	D.L.	Limit	
Aluminium (Al)	ND	-	-	-	-	mg/kg	300	28130	
Antimony (Sb)	ND	-	-	-	-	mg/kg	10	560	
Arsenic (As)	ND	-	-	-	-	mg/kg	10	47	
Barium (Ba)	ND	-	-	-	-	mg/kg	10	18750	
Boron (B)	ND	-	-	-	-	mg/kg	50	15000	
Cadmium (Cd)	ND	-	-	-	-	mg/kg	5	17	
Chromium (III) (Cr III)#	ND	-	-	-	-	mg/kg	10	460	
Chromium (VI) (Cr VI)	ND	-	-	-	-	mg/kg	0.025	0.053	
Cobalt (Co)	ND	-	-	-	-	mg/kg	10	130	
Copper (Cu)	ND	-	-	-	-	mg/kg	10	7700	
Lead (Pb)	ND	-	-	-	-	mg/kg	10	23	
Manganese (Mn)	ND	-	-	-	-	mg/kg	10	15000	
Mercury (Hg)	ND	-	-	-	-	mg/kg	10	94	
Nickel (Ni)	ND	-	-	-	-	mg/kg	10	930	
Selenium (Se)	ND	-	-	-	-	mg/kg	10	460	
Strontium (Sr)	ND	-	-	-	-	mg/kg	100	56000	
Tin (Sn)	ND	-	-	-	-	mg/kg	2.5	180000	
Organic tin++	ND	-	-	-	-	mg/kg	5	12	
Zinc (Zn)	ND	-	-	-	-	mg/kg	100	46000	

## Remarks:

D.L. = Detection Limit

++ = Unless the test results were marked with " $\Delta$ ", Organic tin contents were not directly determined and were derived from migration results of total tin.

- Organic tin test result was expressed as tributyl tin.

ND = Not detected

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

 $\Delta$  = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Dimethyl tin, Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation. Other Organic tin compounds may be also be present in sample as stated in EN 71-3:2019+A1:2021.

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

## Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

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**Tests Conducted** 

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III: Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).

## 7 Cadmium (Cd) Content

With reference to test method IEC 62321-5:2013, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

## **Surface coating**

Test Item	Result						D.L.	Limit
rest item	30	-	-	-	-	Units	D.L.	Limit
Cadmium (Cd)	ND	-	-	-	-	%	0.0005	0.1

### **Plastic**

Test Item			Result			Units	Limit	
rest item	1+2+3	4+5+6	7+8+9	21+22+23	24+25+26	Ullits	D.L.	Lillit
Cadmium (Cd)	ND	ND	ND	ND	ND	%	0.0005	0.01
Test Item			Units	D.I	Limit			
rest item	27+28+29	-	-	-	-	Offics	D.L.	LIIIII
Cadmium (Cd)	ND	-	-	-	-	%	0.0005	0.01

## Remarks:

D.L. = Detection Limit

The limit was quoted according to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and Amendment (EC) No 552/2009, (EU) No 494/2011, (EU) No 835/2012 and (EU) 2016/217, Annex XVII Entry 23 on Cadmium Content. ND = Not detected

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







**Tests Conducted** 

## 8 Phthalate Content

With reference to ISO 8124-6:2018, and phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS).

## For 4 phthalates

Test Item	CAS No.			Result			Units	D.L.	Limit
rest item	CAS NO.	12+13+14	3+14 15+16+17 18+19+20  -		-	Units	D.L.	Liiiii	
Di-butyl phthalate (DBP) Wavg	-	ND	ND	ND	-	-	%	0.005	-
Di-butyl phthalate (DBP) Wmax	84-74-2	ND	ND	ND	-	-	%	0.005	-
Di(2-ethyl hexyl) phthalate (DEHP) Wavg	-	ND	ND	ND	-	1	%	0.005	-
Di(2-ethyl hexyl) phthalate (DEHP) Wmax	117-81-7	ND	ND	ND	1	ı	%	0.005	ı
Benzyl butyl phthalate (BBP) Wavg	-	ND	ND	ND	-	-	%	0.005	-
Benzyl butyl phthalate (BBP) Wmax	85-68-7	ND	ND	ND	-	-	%	0.005	-
Di-isobutyl phthalate (DIBP) Wavg	-	ND	ND	ND	-	ı	%	0.005	ı
Di-isobutyl phthalate (DIBP) Wmax	84-69-5	ND	ND	ND	1	ı	%	0.005	ı
Sum of DBP, DEHP, BBP and DIBP Wavg	-	ND	ND	ND	-	-	%	0.005	0.1
Sum of DBP, DEHP, BBP and DIBP Wmax	-	ND	ND	ND	-	-	%	0.005	0.1







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**Tests Conducted** 

## For 7 phthalates

Intertek Testing Services Shenzhen Ltd.

深圳天祥质量技术服务有限公司

Test Item	CAS No.			Result			Units	D.L.	Limit
rest item	CAS NO.	1+2+3	4+5+6	7+8+9	-	-	Ullits	D.L.	
Di-butyl phthalate (DBP) Wavg	-	0.0062	ND	ND	-	-	%	0.005	-
Di-butyl phthalate (DBP) Wmax	84-74-2	0.0187	ND	ND	-	-	%	0.005	-
Di(2-ethyl hexyl) phthalate (DEHP) Wavg	-	0.0063	ND	ND	-	-	%	0.005	-
Di(2-ethyl hexyl) phthalate (DEHP) Wmax	117-81-7	0.0189	ND	ND	-	-	%	0.005	-
Benzyl butyl phthalate (BBP) Wavg	-	ND	ND	ND	-	-	%	0.005	-
Benzyl butyl phthalate (BBP) Wmax	85-68-7	ND	ND	ND	-	-	%	0.005	-
Di-isobutyl phthalate (DIBP) Wavg	-	ND	ND	ND	-	-	%	0.005	-
Di-isobutyl phthalate (DIBP) Wmax	84-69-5	ND	ND	ND	-	ı	%	0.005	-
Sum of DBP, DEHP, BBP and DIBP Wavg	-	0.0125	ND	ND	-	-	%	0.005	0.1
Sum of DBP, DEHP, BBP and DIBP Wmax	-	0.0376	ND	ND	-	-	%	0.005	0.1
Di-iso-nonyl phthalate (DINP) Wavg	-	ND	ND	ND	-	ı	%	0.005	1
Di-iso-nonyl phthalate (DINP) Wmax	28553-12-0	ND	ND	ND	-	ı	%	0.005	ı
Di-n-octyl phthalate (DNOP) Wavg	-	ND	ND	ND	-	ı	%	0.005	ı
Di-n-octyl phthalate (DNOP) Wmax	117-84-0	ND	ND	ND	-	ı	%	0.005	ı
Di-iso-decyl phthalate (DIDP) Wavg	-	ND	ND	ND	-	-	%	0.005	-
Di-iso-decyl phthalate (DIDP) Wmax	26761-40-0	ND	ND	ND	-	-	%	0.005	-
Sum of DINP, DNOP and DIDP Wavg	-	ND	ND	ND	-	-	%	0.005	0.1
Sum of DINP, DNOP and DIDP Wmax	-	ND	ND	ND	-	-	%	0.005	0.1



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**Tests Conducted** 

Remarks:

D.L. = Detection Limit

ND = Not detected

W<sub>avg</sub> = Average content of phthalate in composite samples

W<sub>max</sub> = Maximum content of phthalate in individual sample

The limit was quoted according to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and Amendment (EC) No 552/2009 and (EU) 2018/2005, Annex XVII Entry 51 & 52 on Phthalate Content.

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

## **Component List**

	onent List
No.	Test Component Description(s)
(1)	Black plastic string.
(2)	Semi-transparent plastic (connector).
(3)	Semi-transparent plastic (glow stick).
(4)	Yellow plastic (legs of glasses).
(5)	Black plastic (legs, connector of glasses).
(6)	Semi-transparent plastic (glasses).
(7)	Transparent plastic (ring).
(8)	White plastic (connector).
(9)	Multicolor plastic (glow stick).
(10)	Red ribbon.
(11)	Black ribbon.
(12)	Transparent liquid (glow stick).
(13)	Yellow-green liquid (glow stick).
(14)	Light orange liquid (glow stick).
(15)	Orange liquid (glow stick).
(16)	Dark orange liquid (glow stick).
(17)	Pink liquid (glow stick).
(18)	Dark red liquid (glow stick).
(19)	Red liquid (glow stick).
(20)	Orange-red liquid (glow stick).
(21)	Silver/ transparent plastic sheet with inaccessible coatings (bag).
(22)	Transparent adhesive plastic tape (fastener).
(23)	Black plastic (sleeve).
(24)	Transparent plastic sheet with adhesive tape (bag).
(25)	White paper card with transparent plastic film and inaccessible coatings (bag).
(26)	Transparent plastic (sealing bag).
(27)	Black plastic (lid of tube).
(28)	Transparent plastic (bubble bag).
(29)	Transparent plastic sheet excluding coatings (wrapping of tube).
(30)	Coatings on plastic sheet (wrapping of tube).

End of report







**Tests Conducted** 

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band  $\mathbf{w} = \mathbf{U}$ ) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.

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