TEST REPORT

Applicant: SARL BTL DIFFUSION
16, RUE ANATOLE MOUSSU
ZA MERE NORD EST
78490 MERE FRANCE

Attn: RAFI

Number: HKGH03128284 S1

Date: Jul 29, 2024

Sample and Information provided by customer	:	
Item Name	:	**Tranquil Penguin**
Item No.	:	**9200-PG**
Labelled Age Grade	:	0+
Quantity	:	1 Piece
Country of Origin	:	China
Date sample received	:	May 07, 2024
Testing period	:	May 07, 2024 to Jul 12, 2024

****

For and on behalf of :
Intertek Testing Services HK Ltd.

Dorothy M.Y. Lau
Vice President

Intertek Testing Services Hong Kong Limited
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Conclusion:
The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

	Requirement	Result
(1)	The measured emission level of the apparatus did not exceed the accessible emission limit according to EN IEC 62115: 2020 + A11: 2020, Annex E	
(2)	BS EN 71-1:2014 + A1:2018 - Mechanical and physical properties	Pass
(3)	BS EN 71-2:2020 - Flammability Test	Pass
(4)	EN 71-1:2014 + A1:2018 - Mechanical and physical properties	Pass
(5)	EN 71-2:2020 - Flammability Test	Pass
(6)	EN IEC 62115 : 2020 + A11 : 2020 Safety of electric toys	Pass (Subjected to remark enclosed)
(7)	U.S. ASTM F963-23 - Physical and Mechanical tests	Pass
(8)	ASTM F963-23 - Flammability Test of Materials other than textile materials	Pass
(9)	ASTM F963-23 - Section 4.3.7 Stuffing Cleanliness Test	Pass
(10)	Section 4.25, 5.14, 6.5 & 6.9 of the ASTM Standard Consumer Safety Specification for Toy Safety F963-23	Pass (Subjected to remark enclosed)
(11)	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 (last amended on 19 December 2022) - Mechanical and physical test	Pass
(12)	Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 (last amended on 19 December 2022) section 21 Cellulose Nitrate and Celluloid	Pass

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Requirement	Result
(13) Consumer Product Safety Standard: Toys for children up to and including 36 months of age (in force under section 65E(1) of the Trade Practices Act 1974) as commenced by Consumer Protection Notice No. 14 of 2003 and as amended by Consumer Protection No. 1 of 2005.	Pass
(14) Australian/New Zealand Standard AS/NZS ISO 8124-1:2023 - safety aspects related to mechanical and physical properties.	Pass
(15) Australian Consumer Goods (Toys for Children up to and including 36 Months of Age) Safety Standard 2023	Pass
(16) Australian / New Zealand Standard on Safety of Toys AS/NZS ISO 8124-2:2023 - Flammability Test	Pass
(17) AS/NZS 62115 : 2018 + A1 : 2021 Safety of electric toys excluding Annex E Clause 19.E.2-19.E.4	Pass (Subjected to remark enclosed)

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Decision Rule(s):
When a statement of conformity to a specification or standard is provided on test report, the decision rule shall be applied. For details, please refer to Intertek's "Decision Rule Document" and is available on Intertek's website. https://intertekhk.grd.by/decision-rule-doc..
If decision rule already inhered in the requested specification or standard, Intertek's "Decision Rule Document" is not applicable and indication of "∞" was shown as above table.

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Note : This is to supersede Report No. HKGH03128284 dated May 31, 2024 due to adding test item

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(1) Optical Radiation

Test Standard : European Standard EN IEC 62115: 2020 + A11: 2020 on Safety of electric toys, Annex E

Clause	Title/Description	Result
19.E.2	Light-emitting diodes (LEDs)	Pass
19.E.3	Lasers (IEC 60825-1: 2014)	Not Applicable
19.E.4	UV-emitting lamps	Not Applicable

Table of measuring data

For Blue LED (white diffused) (single)

Condition	Measured Wavelength	Spectral Emission Bandwidth	Measuring Distance	Measured Radiant Intensity	Limit
Normal (without cover)	458nm	18.0nm	200mm	5.45mW/sr	0.05W/sr
Fault (without cover)	458nm	18.0nm	200mm	5.94mW/sr	0.05W/sr

For Sky Blue LED (green diffused) (single)

Condition	Measured Wavelength	Spectral Emission Bandwidth	Measuring Distance	Measured Radiant Intensity	Limit
Normal (without cover)	458nm (first peak) 521nm (second peak)	20.2nm	200mm	12.8mW/sr	0.05W/sr
Fault (without cover)	458nm (first peak) 521nm (second peak)	20.2nm	200mm	13.3mW/sr	0.05W/sr

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For combination of group of LEDs (Blue LED and Sky blue LEDs)

Condition	Ratio	Limit
Normal (without cover)	0.62	1.0
Fault (without cover)	0.65	1.0

For Bi-Color LED (Red) (water clear) (single)

Condition	Measured Wavelength	Spectral Emission Bandwidth	Measuring Distance	Measured Radiant Intensity	Limit
Normal (without cover)	625nm	12.4nm	200mm	0.02mW/sr	0.76W/sr
Fault (without cover)	625nm	12.4nm	200mm	0.03mW/sr	0.76W/sr

For Bi-Color LED (Green) (water clear) (single)

Condition	Measured Wavelength	Spectral Emission Bandwidth	Measuring Distance	Measured Radiant Intensity	Limit
Normal (without cover)	524nm	26.0nm	200mm	0.73mW/sr	0.76W/sr
Fault (without cover)	524nm	26.0nm	200mm	0.85mW/sr	0.76W/sr

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For combination of Bi-Color LED (Red and Green)

Condition	Ratio	Limit
Normal (without cover)	No function	1.0
Fault (without cover)	0.001	1.0

Remark:

1. When determining the test conclusion, the Measurement Uncertainty of test has been considered. The decision rules are based on IEC Guide 115 with complying the relevant requirements of environment and equipment.
2. The test was conducted by operating the apparatus at rated voltage 3.7VDC and charging at 5.0VDC.
3. 1 pc. 4.8mm round type white diffused Blue LED is used in the apparatus.
4. 2 pcs. 4.8mm round type green diffused Sky Blue LEDs used in the apparatus are identical to each other.
5. 1 pc. 3mm round type white diffused Bi-Color (Red and Green) LED is used in the apparatus.

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(2) Physical and Mechanical Tests

Test Standard : Safety of toys BS EN 71-1:2014 + A1:2018

Age group for testing : For All Ages

The submitted samples were undergone the following abuse tests:	
Clause	Testing Items
8.3	Torque test (0.34 Nm)
8.4.2.1	Tension test (90 N)
8.4.2.2	Seams and meterials (70 N)
8.5	Drop Test (850 mm x 5)
8.7	Impact test (1 kg)
8.8	Compression test (110 N)

Clause	Requirement	Assessment
4	General requirements	
4.1	Material cleanliness	P
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding Materials	NA
4.7	Edges	P
4.8	Points and Metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth actuated toys and other toys intended to be put into mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	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	P
4.21	Toys containing 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	
5.1	General requirements for toys intended for children under 36 months	P
5.2	Soft-filled toys and soft-filled parts of a toy	P
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

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Clause	Requirement	Assessment
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	P
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling (7.24)	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	NA
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, skateboards and certain other ride-on toys	NA
7.11	Toys intended to be attached to or 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
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

Abbreviation : P = Pass NA = Not Applicable

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The submitted samples were undergone the abuse tests for Clause 5.1 and 5.2 in according to 8.3 (Torque test), 8.4 (Tension test), 8.5 (Drop test), 8.7 (Impact test), 8.8 (Compression test) and specific tests for different types of toys whichever applicable.

Below is additional information checking according to the UK Toy (Safety) Regulations requirement. These information also appears as a note within BS EN71 but the checking is not within accreditation scope.

Marking
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

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

With reference to the guidance of using UKCA marking from 1 January 2021 by the Department for Business, Energy and Industrial Strategy published on 1 September 2020, toys or packagings shall also bear the UKCA marking. However, as per the official publishment on 14 November 2022, CE marking is continued to be recognised for 2 more years in UK market until 31 December, 2024.

After checking, it was found that

	Toy	Packaging
UKCA marking	Present	Present

Cleaning instruction
A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. The toy shall fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provided instructions on how the toy has to be cleaned.
After checking, the cleaning instruction was found on the submitted samples.

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(3) Flammability Test

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

Clause	Requirement	Assessment
4.1	General requirements	P
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	P

Abbreviation : P = Pass NA = Not Applicable

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(4) Mechanical and Physical Test

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

Age group for testing : For All Ages

The submitted samples were undergone the following abuse tests:	
Clause	Testing Items
8.3	Torque test (0.34 Nm)
8.4.2.1	Tension test (90 N)
8.4.2.2	Seams and materials (70 N)
8.5	Drop test (850 mm x 5)
8.7	Impact test (1 kg)
8.8	Compression test (110 N)

Clause	Requirement	Assessment
4	General requirements	
4.1	Material cleanliness	P
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding Materials	NA
4.7	Edges	P
4.8	Points and Metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth actuated toys and other toys intended to be put into mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	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	P
4.21	Toys containing non -electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA

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Clause	Requirement	Assessment
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	
5.1	General requirements for toys intended for children under 36 months	P
5.2	Soft-filled toys and soft-filled parts of a toy	P
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	P
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling (7.24)	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	NA
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, skateboards and certain other ride-on toys	NA
7.11	Toys intended to be attached to or 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

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Clause	Requirement	Assessment
7.20	Magnetic / electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

Abbreviation : P = Pass NA = Not Applicable

Cleaning instruction
A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. The toy shall fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provided instructions on how the toy has to be cleaned.
After checking, the cleaning instruction was found on the submitted samples.

The submitted samples were undergone the abuse tests for Clause 5.1 and 5.2 in according to 8.3 (Torque test), 8.4 (Tension test), 8.5 (Drop test), 8.7 (Impact test), 8.8 (Compression test) and specific tests for different types of toys whichever applicable.

Below are additional information according to the Toy Safety Directive 2009/48/EC requirement. These information also appears as a note within the EN71 but are not standard requirements and not accredited:

Marking
The manufacturer's and importer's name, registered trade name or registered trade mark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the product itself. In addition, toys or packagings shall also bear the CE-marking. After checking, it was found that

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

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(5) Flammability Test

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

Clause	Requirement	Assessment
4.1	General requirements	P
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	P

Abbreviation : P = Pass NA = Not Applicable

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(6) Safety of Electric Toys

Test Standard : European Standard EN IEC 62115 : 2020 + A11 : 2020 on Safety of electric toys

Age group for testing : For All Ages

Power source : 3.7V; 1200mAh, Li-ion rechargeable battery x 1pc (Non-Replaceable), charged by USB 5VDC

Included battery: Yes (Rechargeable battery x 1pc)
Included USB cable: No

Operated function : Sound, light and motion

Clause	Requirement	Assessment
1	Scope	--
2	Normative reference	--
3	Term and definitions	--
4	General requirement	--
5	General conditions for test	--
5.2	Preconditioning	A
5.7.2	Carried out with one or more batteries reversed	NA
6	Criteria for reduced testing	NA

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Clause	Requirement	Assessment
6.1	General	--
6.2	Short-circuit resistance	NA
6.3	Low power electric toys	NA
6.4	Battery circuits	NA
7	Marking and instructions	P
7.1	General	P#1
7.2	Markings on electric toys	P#2
7.3	Instructions and markings on packaging	P
7.4	Instructions for electric toys that can be connected to class I equipment	P
7.5	Instructions for ride-on electric toys	NA
7.6	Temperature warnings	NA
8	Power input	NA
9	Heating and abnormal operation	P
9.1	General	P
9.2	Testing condition	--
9.3	Normal operation	P
9.4	Normal operation with insulation short-circuited	P
9.5	Abnormal operation with temperature controls made inoperable	NA
9.6	Electric toys with accessible moving parts locked	NA
9.7	Additional transformers and power supplies	NA
9.8	Abnormal supply to electric toys via a USB connection	P
9.9	Fault condition in electronic circuits	P
9.10	Compliance criteria	P
10	Electric strength	P
10.1	Electric strength at operating temperature	P
10.2	Electric strength under humid conditions	P
11	Electric toys used in water, electric toys used with liquid and electric toys cleaned with liquid	NA
	To be used with liquid and electric toys intended to filled from a tap	NA
	To be cleaned with liquid	NA
	To be used in water	NA
12	Mechanical strength	P
12.1	Enclosures	P
12.2	Attachment strength	P
13	Construction	P
13.1	Nominal supply voltage	P
13.2	Transformers, power supplies and battery chargers	NA
13.3	Thermal cut-outs	NA
13.4	Batteries	P
13.5	Plug and sockets	P
13.6	Charging batteries	P

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Clause	Requirement	Assessment
13.7	Series motors	NA
13.8	Working voltage	NA
13.9	Electric toys connecting to other equipment	P
13.10	Speed limitation of ride-on electric toys	NA
14	Protection of cords and wires	P
14.1	Edges and moving parts	P
14.2	Fixed parts	P
15	Components	P
15.1.1	General	P
15.1.2	Switches and automatic controls	NA
15.1.3	Other components	P
15.2	Prohibited components	P
15.3	Transformers and power supplies	NA
15.4	Battery chargers	NA
15.5	Batteries	--
	Supplied primary batteries comply with the relevant parts of the IEC 60086 series	NA
	Supplied secondary batteries comply with IEC 62133	#3
16	Screws and connections	NA
16.1	Fixings	NA
16.2	Connections	NA
17	Clearances and creepage distances	P
18	Resistance to heat and fire	P
18.1	Resistance to heat	NA
18.2	Resistance to fire	P
19	Radiation and similar hazards	--
19.1	General	--
19.2	Optical radiation (In Annex E)	--
19.3	Other electromagnetic radiation (In Annex I)	--
Annex A	Experimental sets	NA
Annex B	Needle flame test	NA
Annex C	Automatic controls and switches	NA
C.1	Automatic controls	NA
C.2	Switches	NA
Annex D	Electric toys with protective electronic circuits	NA
D.1	General	NA
D.2	Dangerous malfunction	NA
D.2.1	General	NA
D.2.2	Electrostatic discharges	NA
D.2.3	Radiated fields	NA
D.2.4	Transient bursts	NA

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Clause	Requirement	Assessment
D.2.5	Voltage surges	NA
D.2.6	Injected current	NA
D.2.7	Voltage dips and interruptions	NA
D.2.8	Mains signals	NA
Annex E	Safety of electric toys incorporating optical radiation sources	--
	19.E.2 - 19.E.4 Radiation Hazard	#4
	19.E.5 Modulated accessible emission warning	NA
Annex F	Flowcharts showing the assessment of optical radiation safety of LEDs in electric toys	--
Annex G	Examples of calculations on LEDs	--
Annex H	Explanation of the principles used for the requirements of Annex E	--
Annex I	Electric toys generating electromagnetic fields (EMF)	NA
Annex J	Safety of remote controls for electric ride-on toys	NA
Annex K	Flow charts showing the application of Clause 9	--

Abbreviation : P = Pass NA = Not Applicable A = Applicable

Remark(s):

#1 = Only the English version of the marking and instructions were assessed. According to the standard, instruction sheets and other texts required by the standard shall be written in the official language of the country in which the product is to be sold.

#2 = Clause 7.2.1 Below are additional information according to the requirement in Toy Safety Directive 2009/48/EC relating to marking of toys and do not constitute requirements of this European Standard:
The manufacturer's and importer's name, registered trade name or registered trade mark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.

#3 = Clause 15.5 Batteries
Secondary batteries supplied with electric toys complied with IEC 62133 latest version.
Received test report: LCSA07253024S, from applicant.
Intertek HK did not perform actual test for the standard.

#4 = Referred to test result in Annex E Clause 19.E.2-19.E.4.

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(7) Physical and Mechanical Tests

Test Standard : ASTM Standard Consumer Safety Specification for Toy Safety F963-23

Age group for testing : For All Ages

The submitted samples were undergone the use and abuse tests in accordance with the Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations : -

Test	FHSA	Parameter
Compression test	Section 1500.53(g)	30 lbf
Drop Test	Section 1500.51(b)	10 x 4.5 ft
Tension test	Section 1500.53(f)	15 lbf
Torque test	Section 1500.53(e)	4 in-lbf

Clause	Requirement	Assessment
4.1	Material quality	P
4.5	Sound producing toys	P
4.6.1	Toys intended for children under 36 months of age	P
4.6.2	Mouth actuated toys	NA
4.6.3	Toys and games for 36 months to 72 months - Small part warning	NA
4.7	Accessible edges	P
4.8	Projection	NA
4.9	Accessible points	P
4.10	Wires or rods	NA
4.11	Nails and fasteners	P
4.12	Plastic film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords, straps, and elastics	NA
4.15	Stability and overload requirement	NA
4.16	Confined spaces	NA
4.17	Wheels, tires, and axles (96 months of age or less)	NA
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery operated toys	P#1
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag type toys	P

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Clause	Requirement	Assessment
4.28	Stroller and carriage toys	NA
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.31	Balloons	NA
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispherical shaped objects	NA
4.37	Yo Yo elastic tether toys	NA
4.38	Magnets	NA
4.39	Jaw Entrapment in Handles and Steering Wheels	NA
4.40	Expanding materials	NA
4.41	Toy chests	NA
5	Labeling requirements	P
	- Safety labelling	P
	- Tracking label	P
6	Instructional literature	P
7	Producer's marking	
	- Name of producer / distributor	Yes
	- Address	Yes

Abbreviation : P = Pass NA = Not Applicable

The submitted samples were undergone the tests in accordance with section 8.5 through section 8.17 and 8.19 through 8.30 on normal use, abuse and specific tests for different types of toys whichever is applicable.

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Additional Information

Tracking Label Assessment

Tracking label found on the packaging:

BTL Diffusion
TRP23C1440602

Tracking label found on the product:

BTL Diffusion
TRP23C1440602

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

Remark(s):
#1 = The results of section 4.25.10 for the requirement of "Toys that Contain Secondary Cells or Secondary Batteries" were referred to the next test item.

Date sample received : May 07, 2024
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(8) Flammability Tests

Test Standard : Section 4.2 of the ASTM Standard Consumer Safety Specification for Toy Safety F963-23.

Result: Ignited but self-extinguished before burn rate could be determined.

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(9) Stuffing Cleanliness Test

Test Standard : Section 4.3.7 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-23.

Observation: After the stuffing cleanliness evaluation, no contaminant was found in stuffing materials of the submitted sample.

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(10) Battery-Operated Toys

Test Standard : Section 4.25, 5.14, 6.5 & 6.9 of the ASTM Standard Consumer Safety Specification for Toy Safety F963-23

Power source: 3.7V, 1200mAh, Li-ion rechargeable battery x 1 pc (Non-Replaceable), charged by USB 5VDC

Clause	Requirement	Assessment
4.25	Battery operated toys	P
4.25.1	Battery information marking in battery compartment	NA
4.25.1.1	Label for non-replaceable batteries	P
4.25.2	Nominal voltage between 2 accessible points not exceed 24VDC	P
4.25.3	Designed to prevent charge any non-rechargeable battery exempted button cell.	P
4.25.4	Battery accessibility before and after testing foreseeable abuse testing shall be determined in accordance with 4.25.4.1 and 4.25.4.2	P
4.25.4.1	Battery-operated toys intended for children less than 3 years old or small part battery	P
4.25.4.2	For all toys that utilize batteries which fit completely within the small parts test cylinder	NA
4.25.4.3	Fastener is used to secure the battery compartment	NA
4.25.4.4	Appropriate tool is included with the toy, and instructional material conforming to 6.9	NA
4.25.5	Isolation of batteries of different types or capacities	NA
4.25.6	Temperature on battery surface not exceeding 71°C	P
4.25.6.1	- Battery operated toys during normal use conditions	P
4.25.6.2	- Lock external moving parts of the toy	NA
4.25.7	Not condition occurred that cause battery overheat or present a combustion hazard	P
4.25.7.1	For rechargeable lithium ion or lithium ion polymer batteries, the toy shall comply with the temperature requirements during normal use charging and any discharging of the battery	P
4.25.8	Instruction requirement in 6.5	NA
4.25.9	Battery-powered ride on toys	NA
4.25.10	Contain secondary cells or secondary batteries	P
4.25.10.1	Lithium ion / ion polymer cells comply with standard ANSI C18.2M Part 2 or UL 1642 or IEC 62133.	#1
4.25.10.2	Lithium ion / ion polymer batteries comply with standard ANSI C18.2M Part 2 or UL 2054 or IEC 62133.	#1

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Clause	Requirement	Assessment
4.25.10.3	Lithium ion or lithium ion polymer cells enclosure against damage after foreseeable abuse of the toys.	P
4.25.10.4	For batteries charged inside of the toy During charging with the provided charging device when tested in accordance with 8.19.1, 8.19.2, and 8.19.3:	P
	-No cell exceed the cell or battery manufacturer's specified charging voltage.	P
	-No cell exceed the cell or battery manufacturer's specified current.	P
	-No cell exceed the cell or battery manufacturer's specified temperature values.	P
	For batteries charged outside of the toy, either met (a) or (b)	NA
	(a) Charging system compliant with ANSI/UL 2595 or IEC 60950-1, Or	NA
	(b) Battery is tested by 8.19.1, 8.19.2, 8.19.3, and 8.19.4:	NA
	-No cell exceed the cell or battery manufacturer's specified charging voltage.	NA
	-No cell exceed the cell or battery manufacturer's specified current.	NA
	-No cell exceed the cell or battery manufacturer's specified temperature values.	NA
4.25.10.5	During charging or discharge with the provided charger and load when tested in accordance with 8.19.1, 8.19.2, 8.19.3, and 8.19.4, the maximum charge or discharge current of any cell shall	P
	- not exceed the cell manufacturer's specifications during normal operation.	P
	- not exceed the cell manufacturer's specifications during normal operation stalled motor.	NA
	Lithium ion or lithium ion polymer cell(s) cutoff voltage was not less than the manufacturer's specified minimum in any operating mode.	P
4.25.10.6	Normal use charging and discharging of a secondary battery when tested in accordance with 8.19.1, 8.19.2, and 8.19.3, shall not result in surface temperature rises on any battery surfaces or any other accessible surface under normal use charging and discharging.	P
4.25.10.7	Plug into electric mains power battery chargers or power adaptors shall be listed by a Nationally Recognized Test Laboratory (NRTL).	NA
4.25.10.8	Circuit wiring connected to lithium ion or lithium ion polymer and NiMH secondary batteries shall be short circuit protected and shall not present the risk of fire.	P
	- Any accessible and inaccessible secondary battery surface shall not exceed limit.	P
	- Cells shall not cause battery explosion, burning or charring the combustible material.	P
	Electrolyte shall not become accessible.	P
	Removable battery shall not cause short circuited on a flat conductive surface.	NA
	Short circuit protection must be incorporated into Lithium ion or lithium ion	P

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Clause	Requirement	Assessment
	polymer batteries.	
5.14	Instruction for non-replaceable batteries	P
5.14.1	Battery powered ride on toys safety labelling	NA
5.14.2	Instruction for button or coin cell batteries	NA
6.5	Instruction on safe battery usage	NA
6.9	Instruction for toys which require a manufacturer-supplied specialty or custom tool to access the battery(ies)	NA
8.19.1	Pre condition test	A
8.19.2	Battery overcharge test for 336 h	A
8.19.3	Repetitive 10 cycles overcharge test	A
8.19.4	Single fault charging test to have maximum voltage to charge battery for 7 hours	NA

Abbreviation : P = Pass NA = Not Applicable A = Applicable

Remark(s):
#1 = Clause 4.25.10.1 &4.25.10.2 Lithium ion / ion polymer cells and batteries comply with standard IEC 62133-2.
Received test report LCSA07253024S from the applicant.
Intertek HK did not perform actual test for the standard.

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(11) Physical and Mechanical Tests

Test Standard : Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 (last amended on 19 December 2022)

Age group for testing : For All Ages

The submitted samples were undergone the use and abuse tests in accordance with the Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 (last amended on 19 December 2022):

Test	Parameter
Drop test	4 x (1.367 +/- 0.005) m
Pull test	42.5 +/- 2 N
Push test	42.5 +/- 2 N

Clause	Requirement	Assessment
3	General - English and French Bilingual Statement	NA
4	Packaging	NA
5	Electrically operated toys	NA
6	Electrically heated toys	NA
7	Small parts	NA
8	Metal edges	P
9	Wire Frames	P
10	Plastic Edges	P
11	Wooden Surfaces, Edges and Corners	NA
12	Glass	NA
13	Fasteners	P
14	Folding Mechanisms, Bracket or Bracing	NA
15	Spring-Wound Driving Mechanism	NA
16	Projectile Components	NA
17	Toys which a child can enter and which can be closed by a lid or door	NA
18	Stationary toy that is intended to bear the weight of a child	NA
19	Noise limit	P
20	Heated surfaces, parts or substances	P
28	Fastening to attach parts, Clothing or Ornamentation	P
29	Stuffing Materials	P
	(a) Clean and free from vermin	P
	(b) Free from Hard and Sharp Foreign Matter	P
30	Small parts - Squeaker, Reed, Valve or other similar device	NA
31	Eyes or nose	NA
35	Plant seeds for making noise	NA
36	Plant seeds for stuffing material	P

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Clause	Requirement	Assessment
37	Pull and Push Toys that has a shaft-like handle	NA
38	Toy Steam Engines Boilers	NA
39	Finger Paints	NA
40	Rattle	NA
41	Elastic	NA
42	Yo-Yo Type Balls	NA
	(a) Strechable cord	NA
	(b) Similar product	NA
43	Magnetic toys	NA
44	Warning of magnetic toys	NA

Abbreviation : P = Pass NA = Not Applicable

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(12) Cellulose Nitrate and Celluloid

Test Standard : Canada Consumer Product Safety Act Toys Regulations SOR/2011-17 (last amended on 19 December 2022) section 21

	Assessment	Requirements
Cellulose Nitrate / Celluloid	Absent	Absent

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(13) Physical and Mechanical Test

Test Standard : Consumer Product Safety Standard: Toys for children up to and including 36 months of age (in force under section 65E(1) of the Trade Practices Act 1974) as commenced by Consumer Protection Notice No. 14 of 2003 and as amended by Consumer Protection No. 1 of 2005.

Age group for testing : For All Ages

The submitted samples were undergone the normal use and the following reasonable foreseeable abuse tests in accordance with the Clause 5.24 OF AS/NZS ISO 8124.1 : 2002 before the assessment of the relevant requirement in Clause 4 and Annex A :

Section	Testing Items	Parameter
5.24.2	Drop Test	10x138 +/- 5cm
5.24.5	Torque test	0.45 +/- 0.02Nm
5.24.6	Tension test	70 +/- 2N
5.24.7	Compression test	114 +/- 2N

Clause	Requirement	Assessment
4.1	Normal use	P
4.2	Reasonably foreseeable abuse	P
4.4	Small Parts	
4.4.1	Small parts for children under 36 months	P
4.5	Shape, size and strength of certain toys	NA
4.5.1	Squeeze toys, rattles and certain other toys	NA
4.5.2	Small balls	NA
4.5.3	Pompoms	NA
4.5.4	Preschool play figures	NA
4.5.5	Toy pacifiers	NA
4.25	Mouth-actuated toys	
4.25.a	Mouth-actuated toys and removable mouthpieces of mouth-actuated toys	NA
4.25.b	Non-detachable mouthpieces of mouth-actuated toys	NA
4.25.c	Mouth-actuated toys which contain loose components	NA
A.2.3	Battery-operated toy	P

Abbreviation : P = Pass NA = Not Applicable

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Number : HKGH03128284 S1

(14) Physical and Mechanical Tests

Test Standard : Australian/New Zealand Standard AS/NZS ISO 8124-1:2023 - safety aspects related to mechanical and physical properties.

Age group for testing : For All Ages

The submitted samples were undergone the normal use and the following reasonable foreseeable abuse tests in accordance with the Clause 5.24 of AS/NZS ISO 8124-1:2023 before the assessment of the relevant requirement in Clause 4 :

Clause	Test	Parameter
5.24.2	Drop test	10x138±5cm
5.24.5	Torque test	0.45±0.02Nm
5.24.6.1	Tension test	70±2N
5.24.6.2	Seam tension test	70±2N
5.24.7	Compression test	136±2N

Clause	Requirement	Assessment
4.1	Normal use	P
4.2	Reasonably foreseeable abuse	P
4.3	Material	P
4.4	Small parts	
4.4.1	- For children under 36 months	P
4.4.2	- For children 36 months and over but under 72 months	NA
4.5	Shape, size and strength of certain toys	NA
4.6	Edges	P
4.7	Points	P
4.8	Projections	NA
4.9	Metal wires and rods	NA
4.10	Plastic film or plastic bags in packaging and in toys	P
4.11	Cords and elastic	NA
4.12	Folding mechanisms	NA
4.13	Holes, clearances and accessibility of mechanisms	NA
4.14	Springs	NA
4.15	Stability and overload requirement	NA
4.16	Enclosures	NA
4.17	Items that cover the face and simulated protective equipment	NA
4.18	Projectile toys	NA
4.19	Flying toys	NA
4.20	Aquatic toys	NA
4.21	Braking	NA

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Clause	Requirement	Assessment
4.22	Toy bicycles	NA
4.23	Speed limitation of electrically driven ride-on toys	NA
4.24	Toys containing a heat source	NA
4.25	Liquid-filled toys	NA
4.26	Mouth-actuated toys	NA
4.27	Toy roller skates, toy inline skates and toys skateboards	NA
4.28	Percussion caps specifically designed for use in toys	NA
4.29	Acoustic requirements	P
4.30	Toy scooters	NA
4.31	Magnets and magnetic components	NA
4.32	Yo-yo balls	NA
4.33	Straps intended to be worn fully or partially around the neck	NA
4.34	Sledges and toboggans with cords for pulling	NA
4.35	Jaw entrapment in handles and steering wheels	NA
4.36	Assembly	NA
4.37	Functional toys	NA
4.38	Toys intended to come into contact with food	NA
4.39	Inflatable toys	NA
ANNEX B	Safety labelling guidelines and manufacturer's markings	P
ANNEX D	Toy gun marking	NA

Abbreviation : P = Pass NA = Not Applicable

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(15) Physical and Mechanical Test

Test Standard : Australian Consumer Goods (Toys for Children up to and including 36 Months of Age) Safety Standard 2023

AS/NZS ISO 8124-1:2023 Australian/New Zealand Standard for safety of toys

Age group for testing : For All Ages

The submitted samples were undergone the normal use and the following reasonable foreseeable abuse tests in accordance with the Clause 5.24 OF AS/NZS ISO 8124.1 : 2023 before the assessment of the relevant requirement in Clause 4 and Annex A :

Section	Testing Items	Parameter
5.24.2	Drop Test	10x138 +/- 5cm
5.24.5	Torque test	0.45 +/- 0.02Nm
5.24.6	Tension test	70 +/- 2N
5.24.7	Compression test	114 +/- 2N

Clause	Requirement	Assessment
10a	Normal Use	P
10b	Reasonably foreseeable abuse	P
10c	(Modified) Small parts (For children under 36 months)	P
10d	(Modified) Squeeze toys, rattles, fasteners and certain other toys and components of toys	NA
10e	(Modified) Small balls	NA
10f	(Modified) Pompoms	NA
10g	(Modified) Pre-school play figures	NA
10h	(Modified) Toy pacifiers	NA
10i	(Modified) Mouth-actuated toys	NA
19	(Modified) Electric Toy Standard (Small part battery shall not be removable without the aid of a tool)	P

Abbreviation : P = Pass NA = Not Applicable

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(16) Flammability Test

Test Standard : Australian / New Zealand Standard on Safety of Toys AS/NZS ISO 8124-2:2023

Clause	Requirement	Assessment
4.1	General	P
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	P

Abbreviation : P = Pass NA = Not Applicable

Additional Information : Butane gas was used in the test burner

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(17) Safety of Electric Toys

Test Standard : Australian / New Zealand Standard AS/NZS 62115 : 2018 + A1 : 2021 on Safety of electric toys

Age group for testing : For All Ages

Power source : 3.7V; 1200mAh, Li-ion rechargeable battery x 1pc (Non-Replaceable), charged by USB 5VDC

Included battery: Yes (Rechargeable battery x 1pc)
Included USB cable: No

Operated function : Sound, light and motion

Clause	Requirement	Assessment
1	Scope	--
2	Normative reference	--
3	Term and definitions	--
4	General requirement	--
5	General conditions for test	--
5.2	Preconditioning	A
5.7.2	Carried out with one or more batteries reversed	NA
6	Criteria for reduced testing	NA
6.1	General	--
6.2	Short-circuit resistance	NA
6.3	Low power electric toys	NA
6.4	Battery circuits	NA
7	Marking and instructions	P
7.1	General	P
7.2	Markings on electric toys	P
7.3	Instructions and markings on packaging	P
7.4	Instructions for electric toys that can be connected to class I equipment	P
7.5	Instructions for ride-on electric toys	NA
7.6	Temperature warnings	NA
8	Power input	NA
9	Heating and abnormal operation	P
9.1	General	P
9.2	Testing condition	--
9.3	Normal operation	P
9.4	Normal operation with insulation short-circuited	P

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Clause	Requirement	Assessment
9.5	Abnormal operation with temperature controls made inoperable	NA
9.6	Electric toys with accessible moving parts locked	NA
9.7	Additional transformers and power supplies	NA
9.8	Abnormal supply to electric toys via a USB connection	P
9.9	Fault condition in electronic circuits	P
9.10	Compliance criteria	P
10	Electric strength	P
10.1	Electric strength at operating temperature	P
10.2	Electric strength under humid conditions	P
11	Electric toys used in water, electric toys used with liquid and electric toys cleaned with liquid	NA
	To be used with liquid and electric toys intended to filled from a tap	NA
	To be cleaned with liquid	NA
	To be used in water	NA
12	Mechanical strength	P
12.1	Enclosures	P
12.2	Attachment strength	P
13	Construction	P
13.1	Nominal supply voltage	P
13.2	Transformers, power supplies and battery chargers	NA
13.3	Thermal cut-outs	NA
13.4	Batteries	P
13.5	Plug and sockets	P
13.6	Charging batteries	P
13.7	Series motors	NA
13.8	Working voltage	NA
13.9	Electric toys connecting to other equipment	P
13.10	Speed limitation of ride-on electric toys	NA
14	Protection of cords and wires	P
14.1	Edges and moving parts	P
14.2	Fixed parts	P
15	Components	P
15.1.1	General	P
15.1.2	Switches and automatic controls	NA
15.1.3	Other components	P
15.2	Prohibited components	P
15.3	Transformers and power supplies	NA
15.4	Battery chargers	NA
15.5	Batteries	--
	Supplied primary batteries comply with the relevant parts of the IEC 60086 series	NA

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Clause	Requirement	Assessment
	Supplied secondary batteries comply with IEC 62133	#1
16	Screws and connections	NA
16.1	Fixings	NA
16.2	Connections	NA
17	Clearances and creepage distances	P
18	Resistance to heat and fire	P
18.1	Resistance to heat	NA
18.2	Resistance to fire	P
19	Radiation and similar hazards	--
19.1	General	--
19.2	Optical radiation (In Annex E)	--
19.3	Other electromagnetic radiation (In Annex I)	--
Annex A	Experimental sets	NA
Annex B	Needle flame test	NA
Annex C	Automatic controls and switches	NA
C.1	Automatic controls	NA
C.2	Switches	NA
Annex D	Electric toys with protective electronic circuits	NA
D.1	General	NA
D.2	Dangerous malfunction	NA
D.2.1	General	NA
D.2.2	Electrostatic discharges	NA
D.2.3	Radiated fields	NA
D.2.4	Transient bursts	NA
D.2.5	Voltage surges	NA
D.2.6	Injected current	NA
D.2.7	Voltage dips and interruptions	NA
D.2.8	Mains signals	NA
Annex E	Safety of electric toys incorporating optical radiation sources	--
	19.E.2 - 19.E.4 Radiation Hazard	NC#2
	19.E.5 Modulated accessible emission warning	NA
Annex F	Flowcharts showing the assessment of optical radiation safety of LEDs in electric toys	--
Annex G	Examples of calculations on LEDs	--
Annex H	Explanation of the principles used for the requirements of Annex E	--
Annex I	Electric toys generating electromagnetic fields (EMF)	NA
Annex J	Safety of remote controls for electric ride-on toys	NA
Annex K	Flow charts showing the application of Clause 9	--

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TEST REPORT

Number : HKGH03128284 S1

Abbreviation : P = Pass NA = Not Applicable NC = Not Conducted A = Applicable

Remark(s):

#1 = Clause 15.5 Batteries
Secondary batteries supplied with electric toys complied with IEC 62133 latest version.
Received test report: LCSA07253024S, from applicant.
Intertek HK did not perform actual test for the standard.

#2 = This report does not contain the result of the Annex E Clauses 19.E.2 -19.E.4.

Date sample received : May 07, 2024
Test Period : May 07, 2024 to Jul 12, 2024

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End of report

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To:	SARL BTL DIFFUSION	Ref:	FC-2024-5439
Attention:	RAFI	Date:	Jul 29, 2024

Re : Report Revision Notification

Intertek Testing Services Report Number HKGH03128284 Dated May 31, 2024.

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Intertek Testing Services report, HKGH03128284 S1.

Thank you for your attention.

For and on behalf of :
Intertek Testing Services HK Ltd.

Dorothy M.Y. Lau
Vice President