TEST REPORT
UL 4200A
STANDARD FOR SAFETY
Products Incorporating Button or Coin Cell Batteries of Lithium Technologies

Report Number. .....:	HS202404225700-1ER
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Tested by (signature) .....:	Rock Ren
Compiled by (signature) .....:	Snow Wu
Approved by (signature) .....:	Smile Xu
Name of Testing Laboratory preparing the Report.....:	Shenzhen Huasheng Test Technology Co., Ltd. Room1004, NO.8, Chongqing Road, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Applicant's name.....:	Shenzhen Shuanghongyuan Technology Co., Ltd
Address .....:	No.Q6E1082B, 6 th Floor, Block B,C,D, Huaqing Plaza, No.1019, Huaqiang North Road, Huahang Community, Huaqiang North Street, Futian District, Shenzhen
Test specification:	
Standard.....:	UL 4200A:2023, Edition 1
Test procedure .....:	Test report
Non-standard test method .....:	N/A
Test Report Form No.....:	UL 4200A_1
Test Report Form(s) Originator ....:	Huasheng
Master TRF.....:	2024-03-26

General disclaimer:

The test results presented in this report relate only to the object tested.
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The authenticity of this Test Report and its contents can be verified by contacting the Huasheng, responsible for this Test Report.

Test item description .....:	Remote Control
Trade Mark(s).....:	N/A
Manufacturer.....:	Shenzhen Shuanghongyuan Technology Co., Ltd No.Q6E1082B, 6 th Floor, Block B,C,D, Huaqing Plaza, No.1019, Huaqiang North Road, Huahang Community, Huaqiang North Street, Futian District, Shenzhen
Model/Type reference .....:	SHY-YK-01, SHY-YK-02, SHY-YK-03, SHY-YK-04
Ratings .....:	3.0V (CR2025)

List of Attachments (including a total number of pages in each attachment):
- Attachment 1: Photo documentation

Summary of testing:

Tests performed (name of test and test clause):	**Testing location:**
UL 4200A:2023, Edition 1	Shenzhen Huasheng Test Technology Co., Ltd. Room1004, NO.8, Chongqing Road, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Summary of compliance with National Differences (List of countries addressed):

N/A

Copy of marking plate:

The artwork below may be only a draft.

For product marking:

Remote Control
Model: SHY-YK-01
Input: 3.0V (CR2025)
Shenzhen Shuanghongyuan Technology Co., Ltd
YYMMDD
Made in China

For packing marking:

⚠WARNING

- **INGESTION HAZARD**: This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.

⚠WARNING

- **INGESTION HAZARD**: This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.

Notes:

Date code “YYMMDD” will change as actual production date.

Due to similarity of rating labels, only above label is listed.

Test item particulars.....:	
Classification of installation and use.....:	Class III
Supply Connection.....:	Button cell (CR2025)
Possible test case verdicts:	
- test case does not apply to the test object.....:	N/A
- test object does meet the requirement.....:	P (Pass)
- test object does not meet the requirement.....:	F (Fail)
Testing.....:	
Date of receipt of test item .....:	2024-04-24
Date (s) of performance of tests.....:	2024-04-24 to 2024-04-29

General remarks:

"(See Enclosure #)" refers to additional information appended to the report.
"(See appended table)" refers to a table appended to the report.

Throughout this report a ☐ comma / ☒ point is used as the decimal separator.

Name and address of factory (ies) .....:	Shenzhen Shuanghongyuan Technology Co., Ltd No.Q6E1082B, 6 th Floor, Block B,C,D, Huaqing Plaza, No.1019, Huaqiang North Road, Huahang Community, Huaqiang North Street, Futian District, Shenzhen

General product information and other remarks:

-- The apparatus is a Remote Control.
-- These series appliances are Remote Control used, they are with the similar construction and circuit theory, the differences among them are model name and appearance color. All tests were conducted at the model of SHY-YK-01. The test results comply with the requirement of the relevant standards.

UL 4200A			
Clause	Requirement + Test	Result - Remark	Verdict
4	**Glossary**		**P**
4.1	For the purpose of this standard the following definitions apply.		P
4.2	ACCESSIBLE - Able to be contacted by the accessibility probe.		P
4.3	BUTTON/COIN CELL BATTERY - A single cell battery having a diameter of 32 mm (1.25 in) maximum, and diameter greater than its height.	Diameter: 20mm	P
4.3A	HAND-HELD PRODUCT – A product that is reasonably foreseeable i to be used or misused while being held in one or both hands. Products specifically designed to be carried easily, with a mass not exceeding 4.5 kg (10 lbs).		N/A
4.4	PORTABLE - Products specifically designed to be carried easily, with mass not exceeding 18 kg (39.7 lb).	Approx. 0.038kg	P
4.5	PRINCIPAL DISPLAY PANEL – The display panel for a retail package of button cell or coin batteries or retail package of a consumer product containing such batteries that is most likely to be displayed, shown, presented or examined under normal or customary conditions of display for retail sale. The principal display panel is typically the front of the package.		N/A
4.6	PRODUCT DISPLAY PANEL – The surface area on, near, or in the battery compartment. For consumer products with replaceable button cell or coin batteries, the product display panel must be visible while a consumer installs or replaces the button cell or coin battery. For consumer products with non-replaceable button cell or coin batteries, the product display panel must be visible upon access to the battery compartment.		P
4.7	SECONDARY DISPLAY PANEL – A display panel for a retail package of a button cell or coin batteries or retail package of a consumer product containing such batteries that is opposite or next to the principal display panel. The secondary display panel is typically the rear or side panels of the package.		N/A
CONSTRUCTION			
5	**Products with Button/Coin Cell Batteries**		**P**
5.1	Products that use button/coin cell batteries shall be designed to minimize the risk of children removing and ingesting or aspirating the batteries. Products that allow user removal or replacement of button/coin cells shall comply with the requirements of 5.2 - 5.6. Products with button/coin cells that are not intended to allow user removal/replacement of the cells shall comply with 5.7.		P

UL 4200A			
Clause	Requirement + Test	Result - Remark	Verdict
5.2	To reduce the likelihood of unintentional access, products with removable or replaceable button/coin cell batteries shall not allow the button/coin cell to be contacted by Test Probe 11 of the Standard for Protection of Persons and Equipment by Enclosures – Probes for Verification, IEC 61032 when applied as described in 5.3.		P
5.3	The probe shall be applied to any depth that the opening will permit and shall be rotated or angled before, during, and after insertion through the opening to any position that is necessary to examine the enclosure. The probe shall be used as a measuring instrument to judge the accessibility provided by an opening, and not as an instrument to judge the strength of a material. The probe shall be applied with the minimum force necessary to determine accessibility.		P
5.4	During the examination of a product to determine whether it complies with the requirements in 5.3, a part of the enclosure that may be opened or removed by the user, either without using a tool or with less effort than two independent and simultaneous movements by hand, is to be opened or removed.		P
5.4A	If a part of the battery compartment enclosure is protected by pliable material such as fabric, paper, foam, or vinyl, or a pliable material with a seam, apply the Tension Test for Seams in Stuffed Toys and Beanbag-Type Toys test in the Standard Consumer Safety Specification for Toy Safety, ASTM F963, to determine whether the battery compartment enclosure can become exposed or accessible, using a force of at least 70.0 N (15.7 lbf). If a new part of the battery compartment enclosure becomes exposed or accessible, repeat 5.4 and remove any further pliable material that is then exposed until no new part of the battery compartment enclosure becomes exposed or accessible, and then conduct the test in 5.3.		N/A
5.5	Products that locate removable or replaceable button/coin cell batteries inside a battery compartment shall be designed to prevent children from removing the battery by one of the following methods in (a) or (b) below. Compliance is checked by the tests of Section 6.		P
	a) A tool, such as a screwdriver or monetary coin, is required to open the battery compartment. For a battery compartment secured by a screw or a twist-on access cover, a minimum torque of 0.5 Nm and a minimum angle of 90 degrees of rotation shall be required to open the compartment or the fastener shall engage a minimum of two full threads; or		P

UL 4200A			
Clause	Requirement + Test	Result - Remark	Verdict
	b) The battery compartment door or cover requires the application of a minimum of two independent and simultaneous movements to open by hand. The movements to open shall not be combinable to a single movement with a single finger or digit.		P
5.6	If screws or similar fasteners are used to secure the door or cover providing access to a battery compartment, the fasteners shall be captive to the door, cover, or device.		P
5.7	Products that incorporate button/coin cells that are not intended for user removal or replacement shall effectively prevent removal of the battery by the user or children. The button/coin cell shall be:		P
	a) Made inaccessible by an enclosure or similar means that passes the applicable tests of 6.2 and 6.3; or		P
	b) Held fully captive by the use of soldering, fasteners such as rivets, or equivalent means. The securement method shall pass the Secureness Test of 6.4.		P
PERFORMANCE			
6	**Protection from Ingestion or Aspiration of Button/Coin Cell Batteries**		**P**
6.1	General		P
6.1.1	Products shall not present a risk of unintentional access by children to button/coin cells. Button/coin cell batteries shall not be accessible or liberated from the product as a result of mechanical abuse tests in applicable safety standards for the product, and products with button/coin cells shall comply with the tests in 6.2 – 6.4.		P
6.2	Pre-conditioning		P
6.2.1	One test sample shall be subjected to the following pre-conditioning conditions in sequence prior to testing in 6.3 and 6.4, as applicable:		P
	a) Stress Relief Test - A product with an enclosure, battery compartment door/cover or battery compartment door/cover opening mechanism made of molded or formed thermoplastic materials shall be subjected to a stress relief test. A sample of the complete product is to be placed in a circulating air oven for a period of 7 h. The oven temperature is to be set to the higher of (1) or (2) below. After removal from the oven, the sample is permitted to cool to room temperature.		P
	1) 70°C (158°F); or		P
	2) 10°C (18°F) higher than the maximum temperature of thermoplastic enclosures, battery compartment door/covers, or battery compartment door/cover mechanisms during the most stringent normal operation of the device.		N/A

UL 4200A			
Clause	Requirement + Test	Result - Remark	Verdict
	b) Battery Replacement Test - The battery compartment door/cover shall be opened and closed, and the battery removed and replaced, for a total of ten cycles. The process shall simulate replacement according to the manufacturer's instructions. If the battery compartment is secured with a screw (s), the screw (s) is to be loosened and then tightened by means of a suitable screwdriver, applying a continuous linear torque according to the Torque to be Applied to Screws table, Table 20, of the Standard for Audio, Video and Similar Electronic Apparatus - Safety Requirements, UL 60065.		P
6.3	Abuse tests		P
6.3.1	General		P
6.3.1.1	The tests in 6.3.2 – 6.3.4 shall be performed sequentially, as applicable, on one pre-conditioned sample of the product. After all test conditions have been completed, compliance is checked by 6.3.5.		P
6.3.2	Drop test for portable devices		P
6.3.2.1	Portable devices are subjected to drop tests from a height of 1.0 m (39.4 in) onto a horizontal hardwood surface in positions likely to produce the maximum force on the battery compartment or enclosure. Portable devices are subjected to three drops, except hand-held products are subjected to ten drops. The hardwood surface shall be at least 13-mm (1/2-in) thick, mounted on two layers of nominal 19- mm (3/4-in) thick plywood, placed on a concrete or equivalent non-resilient surface.		P
6.3.3	Impact test		P
6.3.3.1	The enclosure or battery compartment door/cover shall be subject to three, 2-J (1.5-ft·lbf) impacts. This impact is to be produced by dropping a steel sphere, 50.8 mm (2 inches) in diameter, and weighing approximately 0.5 kg (1.1 lb) from the height required to produce the specified impact, as shown in Figure 6.1, or the steel sphere is to be suspended by a cord and swung as a pendulum, dropping through the vertical distance required to cause it to strike the surface with the specified impact as shown in Figure 6.2. The steel sphere is to strike the battery compartment door/cover perpendicular to the enclosure surface.		P
6.3.4	Crush test		P

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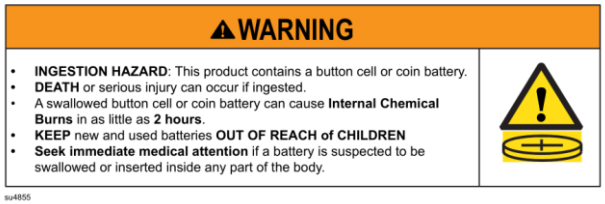
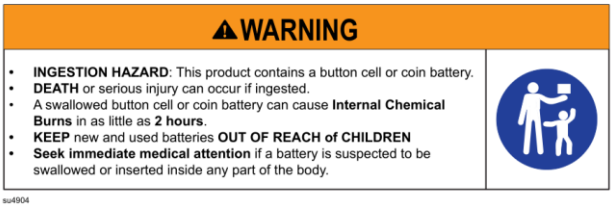
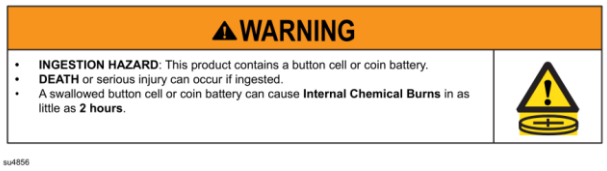
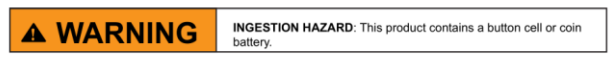
Clause	Requirement + Test	Result - Remark	Verdict
6.3.4.1	The sample is to be supported by a fixed rigid supporting surface, in positions likely to produce the most adverse results as long as the position can be self-supported. A crushing force of 330 ±5 N (74.2 ±1.1 lbf) is applied for a period of 10 s to the exposed surfaces. The force is to be applied by a flat surface measuring approximately 100 by 250 mm (3.9 by 9.8 in).		P
6.3.4A	Torque test		P
6.2.4.A.1	If a child can grasp any part of the battery compartment enclosure on a consumer product, including the door or cover, with at least the thumb and forefinger, or using teeth, apply the Torque Test for Removal of Components from the Standard Consumer Safety Specification for Toy Safety, ASTM F963, to the battery compartment enclosure, using a torque of at least 0.50 Nm (4.4 in-lbf).		P
6.3.4B	Tension test		P
6.3.4B.1	If a child can grasp any part of the battery compartment enclosure on a consumer product, including the door or cover, with at least the thumb and forefinger, or using teeth, apply the Tension Test for Removal of Components from the Standard Consumer Safety Specification for Toy Safety, ASTM F963, to the battery compartment enclosure, using a force of at least 72.0 N (16.2 lbf).		P
6.3.4C	Compression test		P
6.3.4C.1	If any surface of the battery compartment enclosure is accessible to a child and inaccessible to a flat surface contact during the Drop test in 6.3.2, apply the Compression Test from the Standard Consumer Safety Specification for Toy Safety, ASTM F963, to that surface, using a force of at least 136 N (30.6 lbf).		P
6.3.5	Compliance		P
6.3.5.1	After the tests of 6.3.2 – 6.3.4, a force of 45 ±1 N (10.1 ±0.2 lbf) is applied for 10 s to the battery compartment door/cover or enclosure by a rigid test finger according to Test Probe 11 of the Standard for Protection of Persons and Equipment by Enclosures – Probes for Verification, IEC 61032. The probe is applied at the most unfavorable place and in the most unfavorable direction. The force shall be applied in only one direction at a time. A battery compartment door/cover shall not open and shall remain functional. The battery shall not be accessible.		P
6.4	Secureness test		P

UL 4200A			
Clause	Requirement + Test	Result - Remark	Verdict
6.4.1	Button/coin cells that are not intended for user removal or replacement, and are accessible based on 5.3 and 5.4, shall comply with the following test. Compliance is checked by application of a test hook as shown in Figure 6.3, with a force of 20 ±2 N (4.5 ±0.4 lbf), directed outwards, applied for 10 s at all points	The button/coin cell not become separated from the product.	P
MARKINGS			
7	**General**		N/A
7.1	Deleted		N/A
7.2	Deleted		N/A
7A	**General**		P
7A.1	All warning statements or icons shall be prominent, legible, easily discernable under normal lighting conditions, and permanently marked.		P
7A.2	Unless otherwise specified, instructional safeguards do not have to be in multiple colors. If an instructional safeguard is present in more than one color to indicate hazard severity, the color shall be in accordance with the ISO 3864 series.		P
7A.3	Printed or screened markings shall also be permanent.		P
7A.4	Legibility of markings is determined by inspection. Permanency is determined by the tests of Section 7D, Permanence of Markings.		P
7A.5	Markings must be in the official language(s) of the country where the product is sold or in English if there is no official language(s).	English.	P
7A.6	The safety alert symbol, an exclamation mark in a triangle, when used with the signal word, must precede the signal word. The base of the safety alert symbol must be on the same horizontal line as the base of the letters of the signal word. The height of the safety alert symbol must equal or exceed the signal word letter height.		P
7A.7	Certain text in the message panel must be in bold and in capital letters as shown in the example warning labels to get the attention of the reader.		P
7A.8	For labels that are provided on a sticker, hang tag, instructions or manual, the safety alert symbol and the signal word “WARNING” must be at least 0.2 in (5 mm) high. The remainder of the text must be in characters whose upper case must be at least 0.1 in (2.5 mm), except where otherwise specified.		P

UL 4200A			
Clause	Requirement + Test	Result - Remark	Verdict
7A.9	For labels that are required to be on the packaging of consumer products and directly on consumer products, text size shall be dependent on the area of the principal display panel. Text size shall be determined based on Table 7A.1.		P
7B	Packaging Markings		P
7B.1	Except as allowed in 7B.2 and 7B.3, the principal display panel shall contain the warning label in Figure 7B.1 or Figure 7B.2. The icon in Figure 7B.1 shall be at least 7 mm in width and 9 mm in height. The icon in Figure 7B.2 shall be at least 8 mm (0.31 in) in diameter. The text in the warning label shall be as shown in Figure 7B.1 or Figure 7B.2. When on a printed label using more than one color the marking must use colors as shown in Figure 7B.1 or Figure 7B.2.		P
	Figure 7B.1 **Packaging Marking – Warning: Contains coin battery** 		P
	Figure 7B.2 **Packaging Marking – Warning of ingestion Hazard** 		P
7B.2	Consumer products that are not contained in packaging shall have the warning label in Figure 7B.1 or Figure 7B.2 affixed to the consumer product with a hang tag or a sticker label.		N/A
7B.3	When space on the principal display panel of the consumer product packaging does not permit the warning label in Figure 7B.1 or Figure 7B.2, the principal display panel shall include the warning in Figure 7B.3 in a conspicuous location. The icon shall be at least 7 mm in width and 9 mm in height. The remaining warning statements must be on a secondary display panel, as shown in Figure 7B.4. The text in the warning labels shall be as shown in Figure 7B.3 and Figure 7B.4. When on a printed label using more than one color the marking must use colors as shown in Figure 7B.3 and Figure 7B.4.		P

UL 4200A			
Clause	Requirement + Test	Result - Remark	Verdict
	Figure 7B.3 Packaging Marking – Alternative Principal Display Panel  		P
	Figure 7B.4 Packaging Marking – Secondary Display Panel  		P
7B.4	The principal display panel or secondary display panel of the consumer product packaging, or if there is no consumer product packaging, the accompanying hang tag or sticker label, shall include the following text:		P
	a) For products with non-replaceable batteries, include a statement indicating the product contains non-replaceable batteries;		P
	b) Battery type (e.g., LR44, CR2032); and		P
	c) Nominal voltage.		P
7C	**Product Markings**		**P**
7C.1	Except as provided in 7C.2 and 7C.3, consumer products shall be marked with a warning label on the product display panel that alerts the consumer of the presence of a button cell or coin battery. The warning text shall include the safety alert symbol, signal word, and text, as shown in Figure 7C.1. When on a printed label using more than one color the marking must use the color as shown in Figure 7C.1.		P
	Figure 7C.1 Product Marking  		P
7C.2	When space on the product is limited, use the “Warning: contains coin battery” icon shown in Figure 7C.2, without text. The icon must be at least 7 mm in width and 9 mm in height and must be on the product display panel. When on a printed label using more than one color the marking must use the color as shown in Figure 7C.2. The icon shall be defined in accompanying printed materials such as instructions, manual, insert, or hangtag.		P

UL 4200A			
Clause	Requirement + Test	Result - Remark	Verdict
	Figure 7C.2 **Alternative Product Marking**  su4859		P
7C.3	When the product itself is too small to include the warning with text in Figure 7C.1 or the icon in Figure 7C.2, the product shall:		N/A
	a) Have packaging containing the warning label following the requirements in Section 7B, Packaging Markings; or		N/A
	b) Contain a hangtag or sticker label with the full warning label using requirements in Section 7B, Packaging Markings.		N/A
7D	**Permanence of Markings**		P
7D.1	General		P
7D.1.1	Each required printed or screened marking shall be tested. However, if the data sheet for a label confirms compliance with the test requirements, the test need not be performed.		P
7D.2	Testing procedure		P
7D.2.1	The test is conducted by rubbing the marking by hand without appreciable force for 15 s with a piece of cloth soaked with water and at a different place or on a different sample for 15 s with a piece of cloth soaked with the petroleum spirit specified in 7D.3.		P
7D.3	Petroleum spirit		P
7D.3.1	Petroleum spirit is a reagent grade hexane with a minimum of 85 % n-hexane.		P

UL 4200A			
Clause	Requirement + Test	Result - Remark	Verdict
7D.4	Compliance criteria		P
7D.4.1	After each test, the marking shall remain legible. If the marking is on a separable label, the label shall show no curling and shall not be removable by hand.		P
INSTRUCTIONS			
8	**General**		**N/A**
8.1	Deleted		N/A
8.2	Deleted		N/A
8.3	Deleted		N/A
8.4	Deleted		N/A
9	**General**		**P**
9.1	Instructions and manuals, if provided, shall include all of the applicable markings in Figure 7B.1 or Figure 7B.2 and the statements noted below. If instructions and manuals are not provided, the statements shall be present on the principal display panel or secondary display panel of the consumer product packaging, or if there is no consumer product packaging, the accompanying hang tag or sticker label.		P
	a) The statement “Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.”		P
	b) The statement “Even used batteries may cause severe injury or death.”		P
	c) The statement “Call a local poison control center for treatment information.”		P
	d) A statement indicating the compatible battery type (e.g., LR44, CR2032).		P
	e) A statement indicating the nominal battery voltage.		P
	f) The statement “Non-rechargeable batteries are not to be recharged.”		P
	g) The statement “Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.”		P
9.2	Products with replaceable button/coin cell batteries shall additionally include:		P
	a) The statement “Ensure the batteries are installed correctly according to polarity (+ and -).”		P

UL 4200A			
Clause	Requirement + Test	Result - Remark	Verdict
	b) The statement “Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.”		P
	c) The statement “Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.”		P
	d) The statement “Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.”		P
9.3	Products with non-replaceable button/coin cell batteries shall additionally include a statement indicating the product contains non-replaceable batteries.		P

UL 4200A			
Clause	Requirement + Test	Result - Remark	Verdict

	TABLE: List of critical components				P
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity[1]
PCB	Beijing Dianjinqiu Tec Co., Ltd	DL-C3	V-0; 130°C	UL 746	UL
Plastic enclosure	Beijing Dianjinqiu Tec Co., Ltd	PVC	Rated V-0, 105 degree C, minimum 1.8 mm thickness	UL94	UL
Button cell	TIANQIU	CR2025	3.0V, 170mA	UL 4200A	UL
Supplementary information: 1) Provided evidence ensures the agreed level of compliance. See OD-CB2039. 2) Description line content is optional. Main line description needs to clearly detail the component used for testing					

UL 4200A			
Clause	Requirement + Test	Result - Remark	Verdict

	TABLE: Lithium coin/button cell batteries mechanical tests		P
(The following mechanical tests are conducted in the sequence noted.)			
	TABLE: Stress Relief test		—
Part	**Material**	**Oven Temperature (°C)**	**Comments**
Plastic enclosure	Beijing Dianjinqiu Tec Co., Ltd	70	no damaged, no deformation
4.8.4.3	**TABLE: Battery replacement test**		—
Battery part no.:		CR2025	—
Battery Installation/withdrawal		Battery Installation/Removal Cycle	Comments
Button cell		1	no damaged, no deformation
		2	no damaged, no deformation
		3	no damaged, no deformation
		4	no damaged, no deformation
		5	no damaged, no deformation
		6	no damaged, no deformation
		8	no damaged, no deformation
		9	no damaged, no deformation
		10	no damaged, no deformation
	TABLE: Drop test		—
Impact Area	Drop Distance	Drop No.	Observations
Front	1000mm	1	no damaged, no deformation
Rear	1000mm	2	no damaged, no deformation
Side	1000mm	3	no damaged, no deformation
	TABLE: Crush test		—

UL 4200A			
Clause	Requirement + Test	Result - Remark	Verdict

Test position	Surface tested	Crushing Force (N)	Duration force applied (s)
Front	Three	330	10
Supplementary information:			

	TABLE: Lithium coin/button cell batteries mechanical test result		P
Test position	**Surface tested**	**Force (N)**	**Duration force applied (s)**
Front	Three	45	10
Supplementary information:			

ATTACHMENT 1: Photo Documentation

Figure 1 Overall view

Figure 2 Overall view

ATTACHMENT 1: Photo Documentation

Figure 3 Overall view

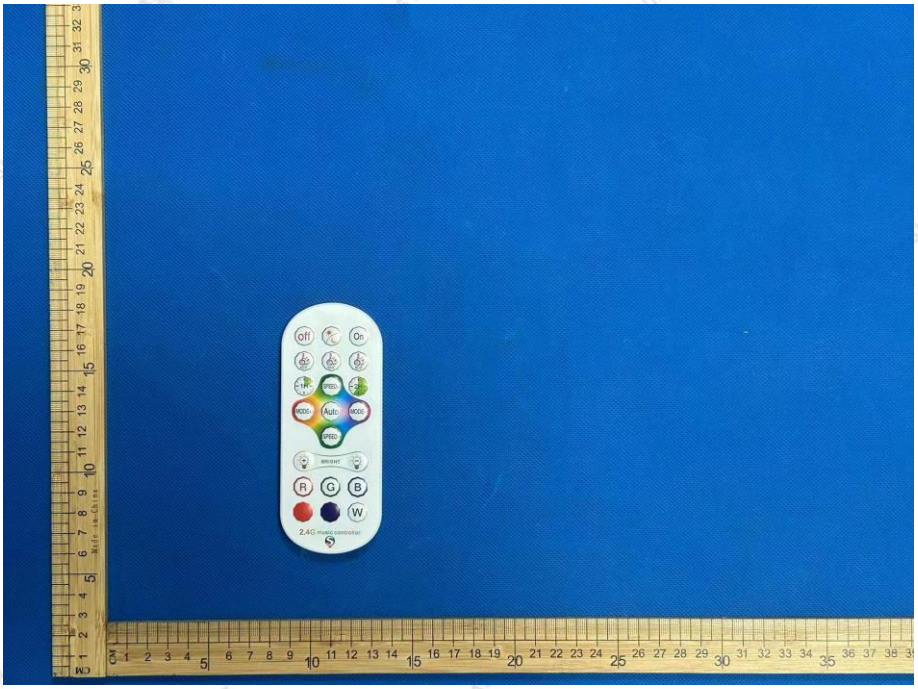


Figure 4 Overall view

ATTACHMENT 1: Photo Documentation

Figure 5 Overall view

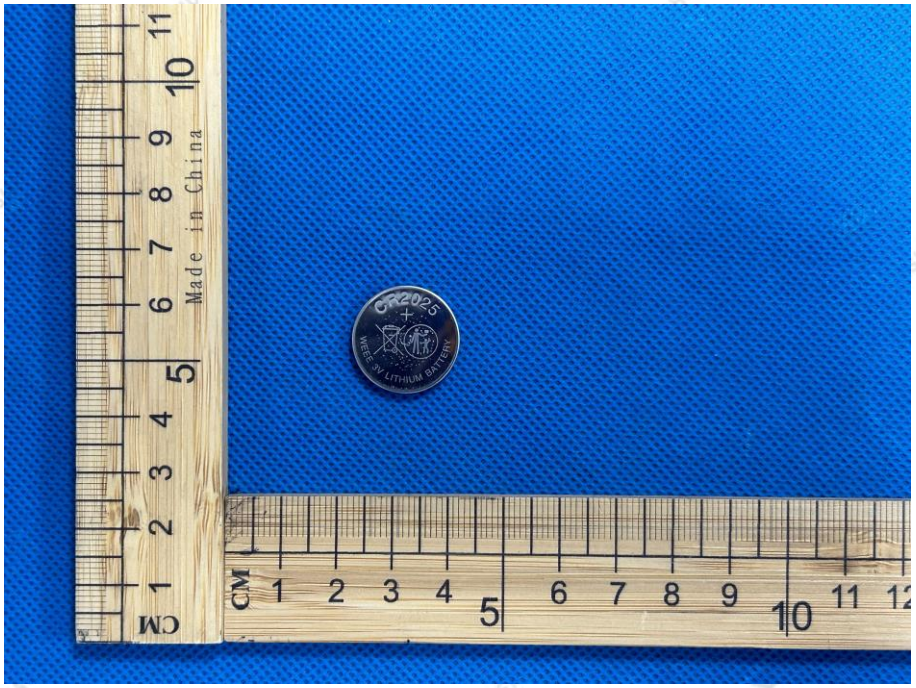


Figure 6 Internal view

ATTACHMENT 1: Photo Documentation

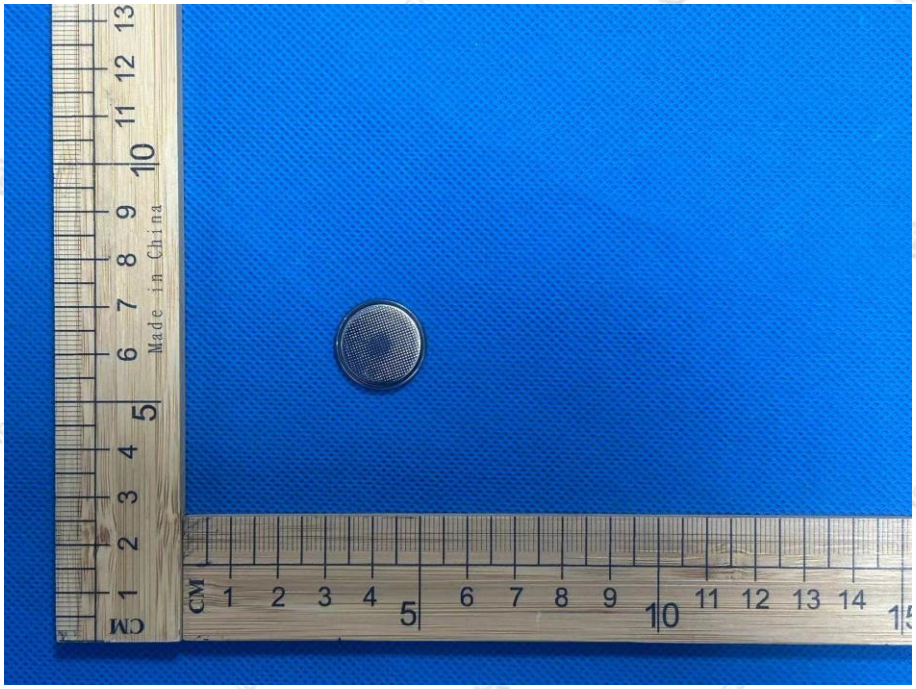


Figure 7 Internal view

※※※※※ END OF REPORT ※※※※※