

Test Report

Number: SHAH01669733

Applicant: DONGGUAN YIHONG HARDWARE AND
ELECTRONICS CO., LTD
ROOM 1106, NO. 2 SHANGHENG ROAD,
CHANG'AN TOWN, DONGGUAN CITY,
GUANGDONG PROVINCE
Attn: ZENG WENFENG

Date: 21 Mar, 2024

Sample Description:

One (1) groups/pieces of submitted sample said to be :

Item Name : Remote
Item No. : LZZK-IR21-13-01
Country Of Origin : China
Reference No. : JS-IC-90/50-AC;JS-IC-100/50-AC;JS-IC-120/50-AC;JS-IC-140/50-AC;JS-IC-100/100-AC;JS-IC-120/100-AC;JS-IC-130-USB;JS-IC-143-USB;JS-IC-70-USB;JS-IC-90-USB;JS-IC-110-USB;JS-IC-80/80-AC;JS-IC-120/120-AC;JS-IC-140/140-AC;JS-IC-130/130-AC;JS-IC-170/170-AC;JS-IC-90-USB-100;JS-IC-110-USB-120;JS-IC-130-USB-140/152;JS-IC-80/80/40/40/80/80-AC;JS-IC-80/80/60/60/80/80-AC;JS-IC-90/90/60/60/90/90-AC;JS-IC-90/90/80/80/90/90-AC;JS-IC-120-USB;JS-IC-100/100-90/90-AC;JS-IC-80-USB;JS-IC-140-USB;JS-IC-180-USB;JS-IC-80/80/50/50/80/80-AC;JS-IC-80/80/80/80-AC;JS-IC-90/90-AC;JS-RA-120-AC;;JS-IC-100-USB-70;JS-IC-110/110-AC;JS-IC-110/110-USB;JS-IC-90/90-USB;JS-IC-180/180-AC;JS-IC-100-USB;JS-IC-140/40-AC;JS-IC-140/30-AC;JS-IC-140/20-AC;JS-IC-90-USB (80/40);JS-IC-130-USB (80/40);JS-IC-140-USB (80/40);JS-C-20/110/20-AC;JS-C-20/130/20-AC;JS-IC-60-USB;JS-RA-100-AC;;

Tests Conducted:

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

Conclusion:

<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Submitted Sample	ANSI/UL 4200A-2023 Standard for Safety Products incorporating Button Batteries or Coin Cell Batteries Clause 5 and 6	Pass

To be continued

Authorized By:
For Intertek Testing Services Ltd., Shanghai

Bill Zhang
General Manager



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Safety of Consumer Product

As per ANSI/UL 4200A-2023 Standard for Safety Products incorporating Button Batteries or Coin Cell Batteries Clause 5 and 6.

Power Source: 3 V, CR2025 size x 1 pc (Provided, replaceable)

<u>Section</u>	<u>Requirement</u>	<u>Assessment</u>
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
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.	--
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.	--
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	--
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. <input type="checkbox"/> 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 component or the fastener shall engage a minimum of two full threads; or <input checked="" type="checkbox"/> 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 combination 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.	NA

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Section	Requirement	Assessment
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: <input type="checkbox"/> a) Made inaccessible by an enclosure or similar means that passes the applicable tests of 6.2 and 6.3; or <input type="checkbox"/> 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.	NA
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: a) Stress Relief Test b) Battery Replacement Test	P
6.3	Abuse tests	P
6.3.1	General The tests in 6.3.2-6.3.4 shall be in sequentially on one pre-conditioned sample. After all conditions have been completed, compliance is checked by 6.3.5	--
6.3.2	Drop test for portable devices (3 drops from 1m) and hand-held products (10 drops from 1m)	A
6.3.3	Impact test (3 impacts with 2J)	A
6.3.4	Crush test (330 +/- 5N for 10s)	A
6.3.4A	Torque test (0.5Nm)	A
6.3.4B	Tension test (72N for 10s)	A
6.3.4C	Compression test (136N)	A
6.3.5	Compliance Apply force 50+10/-0N to battery compartment cover/ door or enclosure for 10s by probe 11 of IEC 61032. Battery compartment door/cover shall not open and shall remain functional. The battery shall not be accessible.	P
6.4	Secureness test During the test, the button/coin cell shall not become separated from the product by test hook with 20 +/-2N for 10s.	NA

Abbreviation: P = Pass

A = Applicable

NA = Not Applicable

Date sample received: Jan.25, 2024 & Mar.1, 2024

Testing period: Jan.25, 2024 to Mar.7, 2024

***** To be continued *****



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End Of Report

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 $w = U$) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.

The sample(s) and sample information hereto are provided by the client who shall be solely responsible for the authenticity and integrity thereof. The results shown in this report relate only to the sample(s) received and tested. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. This report shall not be reproduced unless with prior written approval from Intertek Testing Services Shanghai Ltd.