



Test Report

Report No.:AiTSZ-260618007R
Dated: 2026-06-18

Applicant: Dongguan Nenglang Huanbao Keji Co., Ltd.
Address: Room 401, Building 1, No. 23, Xinle Road, Wusha, Chang'an Town, Dongguan City, Guangdong Province, China
Manufacturer: Dongguan Nenglang Huanbao Keji Co., Ltd.
Address: Room 401, Building 1, No. 23, Xinle Road, Wusha, Chang'an Town, Dongguan City, Guangdong Province, China
Sample Name: Fume Extractor
Model number: MN01, MN02, MN03, MN04, MN05,MN06
Trade: NLVYPRO
Labeled age grading: 18 years old and above
Requested age grading: 18 years old and above
Age group applied in testing: 18 years old and above
Sample Received Date: 2025-05-27
Test Period: 2025-05-27 to 2025-06-03
Test Result: Refer to following page(s)
Remark: The result relates only to the items tested.

Test Requested		Conclusion
A	16 CFR Part 1263 SAFETY STANDARD FOR BUTTON CELL OR COIN BATTERIES AND CONSUMER PRODUCTS CONTAINING SUCH BATTERIES	Pass
B	UL 4200A STANDARD FOR SAFETY-Products Incorporating Button Batteries or Coin Cell Batteries	Pass

Guangdong Asia Hongke Test Technology Co.,Ltd.

Prepared by:

Oliver

Name: Oliver
Testing Engineer

Reviewed by:

Olina Feng

Name: Olina Feng
Authorize Signature





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Test Results:

A. 16 CFR Part 1263 SAFETY STANDARD FOR BUTTON CELL OR COIN BATTERIES AND CONSUMER PRODUCTS CONTAINING SUCH BATTERIES

Clause	Requirement	Result
1263.3	Requirements for consumer products containing button cell or coin batteries	
5.1	Each consumer product containing button cell or coin batteries shall comply with ANSI/UL 4200A, Standard for Safety for Products Incorporating Button Batteries or Coin Cell Batteries, approved on August 30, 2023.	Pass (see test result of UL 4200A)

B. UL 4200A STANDARD FOR SAFETY-Products Incorporating Button Batteries or Coin Cell Batteries

Clause	Requirement + Test	Result -Remark	Verdict
CONSTRUCTION			
5	Products with Button/Coin Cell Batteries		
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		Pass
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		Pass
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		Pass
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		Pass
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		Pass
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		Pass
5.7	Products that incorporate button/coin cells that		Pass



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	are not intended for user removal or replacement shall effectively prevent removal of the battery by the user or children		
6	Protection from Ingestion or Aspiration of Button/Coin Cell Batteries		Pass
6.1	General		Pass
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.		Pass
6.2	Pre-conditioning		Pass
	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:		Pass
	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.		Pass
	1) 70°C (158°F); or 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.	70°C, 7h	Pass
	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		Pass



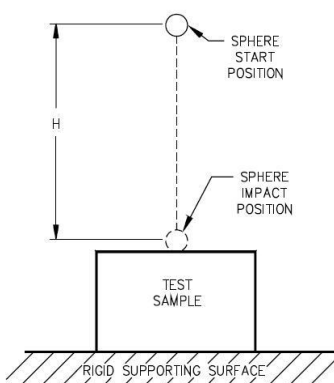
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Clause	Requirement + Test	Result -Remark	Verdict
	20, of the Standard for Audio, Video and Similar Electronic Apparatus – Safety Requirements,		
6.3	Abuse tests	After test in 70℃, 7h.	Pass
6.3.1	General		Pass
6.3.1.1	The tests in 6.3.2 – 6.3.4 shall 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		Pass
6.3.2	Drop test for portable devices and hand-held products		Pass
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.	Portable devices drop test: 3 times, 1m No damaged.	Pass
6.3.3	Impact test		Pass
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 (1.1lb) 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.	Impact 3 time, 2J, The battery cover without damaged.	Pass

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Clause	Requirement + Test	Result -Remark	Verdict
	Impact test 		Pass
6.3.4	Crush test		Pass
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 $330 \pm 5\text{N}$ ($74.2 \pm 1.1\text{ lbf}$) 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	After test, the battery cover cannot be open.	Pass
6.3.4A	Compression test		Pass
	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).	After test, the battery cover cannot be open.	Pass
6.3.4B	Torque test		Pass
	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 theTorque 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 (4.4in-lbf).	After test, the battery cover cannot be open.	Pass
6.3.4C	Tension test		Pass
	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	After test, the battery cover cannot be open.	Pass



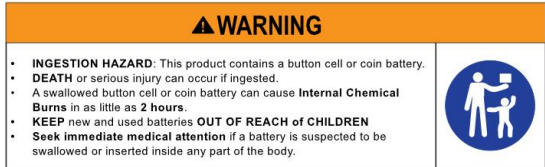
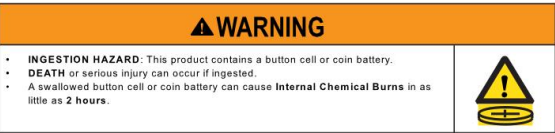
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	thumb and forefinger, or using teeth, apply the Tension Test for Removal of Components from the Standard Consumer Safety Specification for Toy Safety, ASTM F963, to the battery compartment enclosure, using a force of at least 72.0 N (16.2 lbf).		
6.3.5	Probes for Accessibility		Pass
6.3.5.1	After the tests of 6.3.2 – 6.3.4, a force of 50+10/- 0N (11.2+2.2/-0lbf) 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.		Pass
6.4	Secureness test	After test in 70℃, 7h.	Pass
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 where this is possible. During the test, the button/coin cell shall not become separated from the product.	After test, the battery cover cannot be open.	Pass
MARKING			
7A	General		Pass
7A.1	All warning statements or icons shall be prominent, legible, easily discernable under normal lighting conditions, and permanently marked		Pass
7A.2	Unless otherwise specified, instructional safeguards do not have to be in multiple colors		Pass
7A.3	Printed or screened markings shall also be permanent		Pass
7A.4	Legibility of markings is determined by inspection. Permanency is determined by the tests of Section 7D, Permanence of Markings		Pass
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)		Pass
7A.6	The safety alert symbol, an exclamation mark in a triangle, when used with the signal word,		Pass

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	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		
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		Pass
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		Pass
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		Pass
7B	Packaging Markings		Pass
			Pass
			--
			--
7C	Product Markings		Pass
			N/A
			Pass
7C.3	When the product itself is too small to include the warning with text in Figure 7C.1 or the icon		N/A



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	in Figure 7C.2, the product shall		
7D	Permanence of Markings		Pass
7D.1	General		Pass
7D.2	Testing procedure		Pass
7D.3	Petroleum spirit		Pass
7D.4	Compliance criteria		Pass
INSTRUCTION			
9	General		--
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		Pass
9.2	Products with replaceable button/coin cell batteries shall additionally include		Pass
9.3	Products with non-replaceable button/coin cell batteries shall additionally include a statement indicating the product contains non-replaceable batteries		N/A

N/A = Not Applicable

** Visual Examination

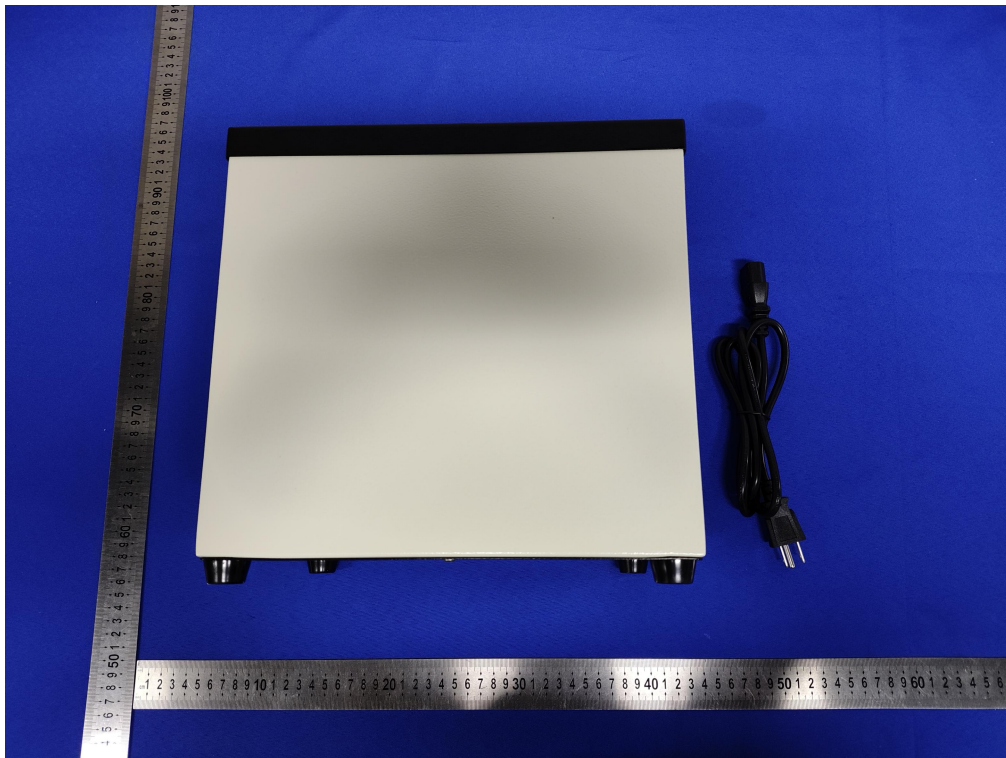
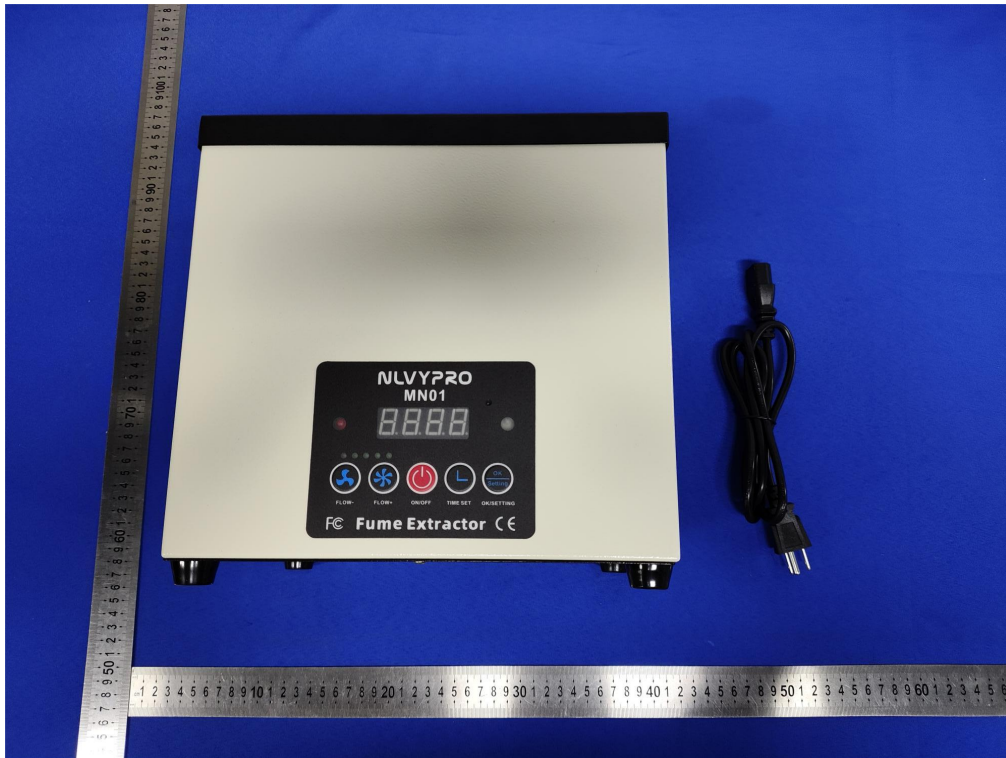
Note:

Test data and results in this report were referenced from the corresponding reports with Number AiTSZ-250527027R, issued on 2025-06-04.

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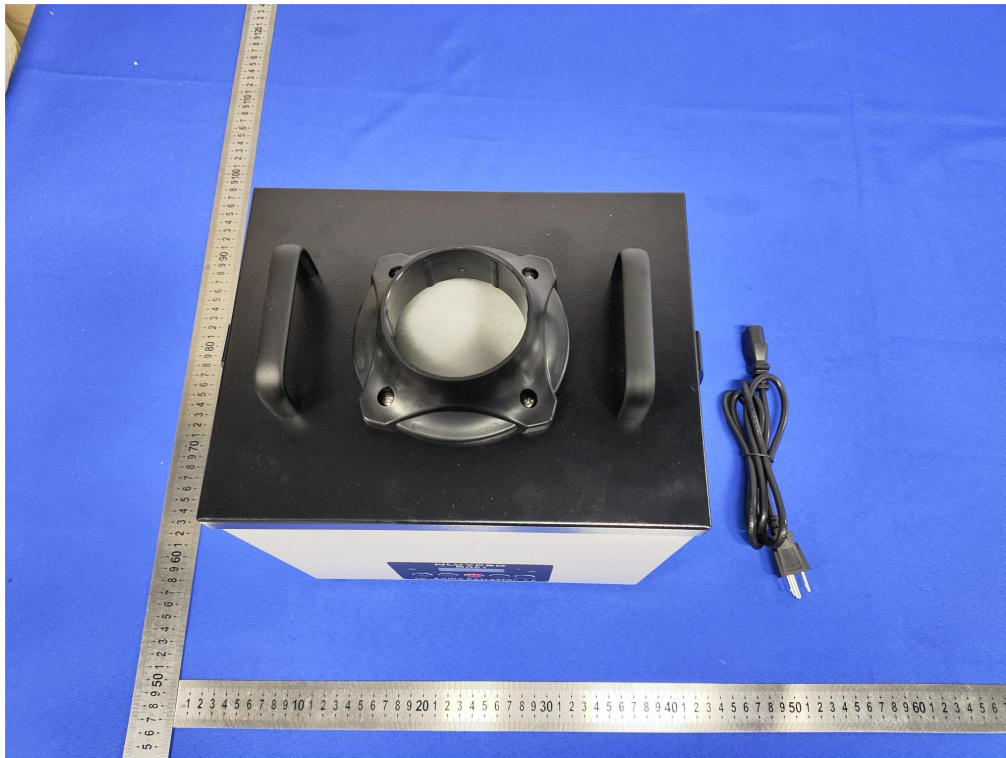
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Photo of the Submitted Sample



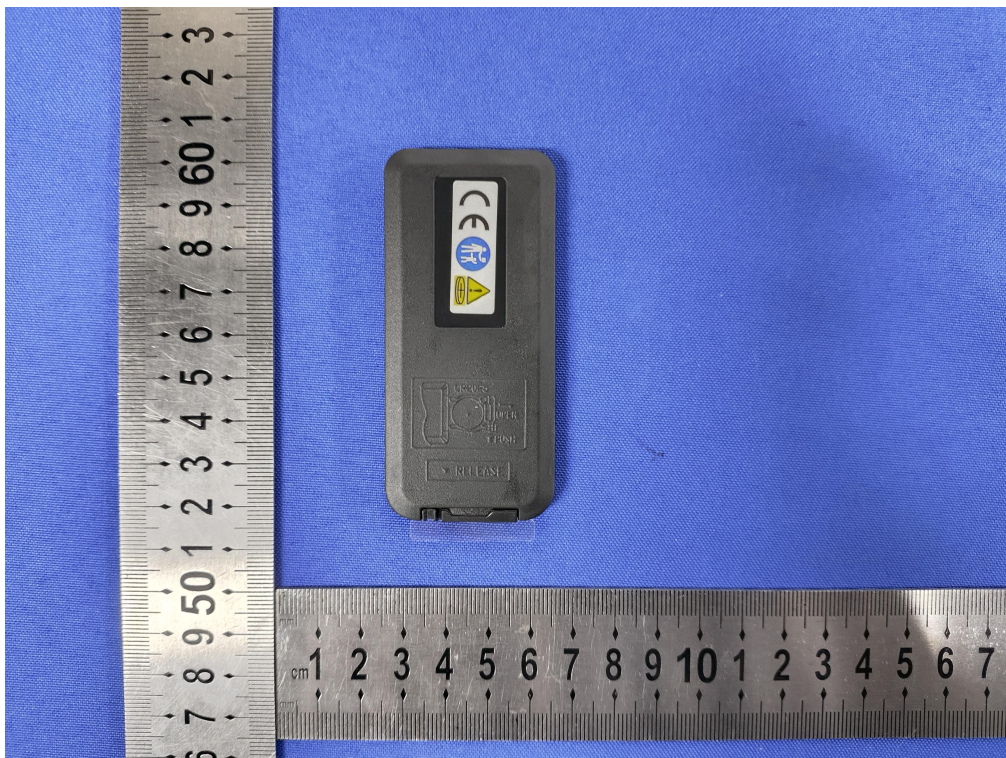
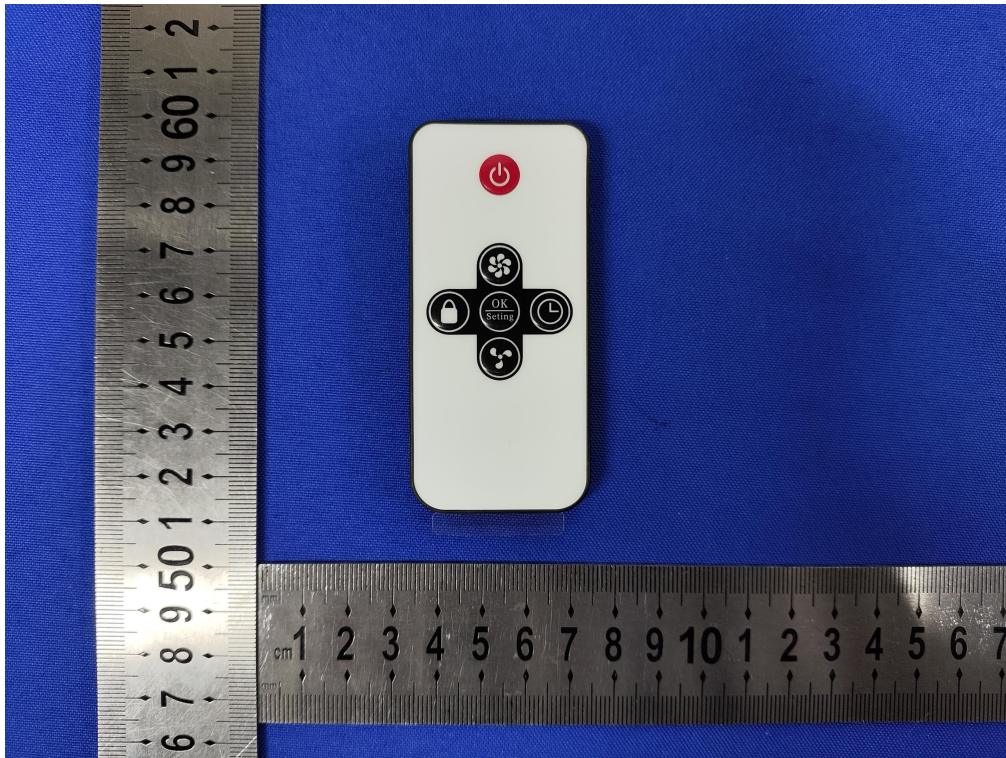
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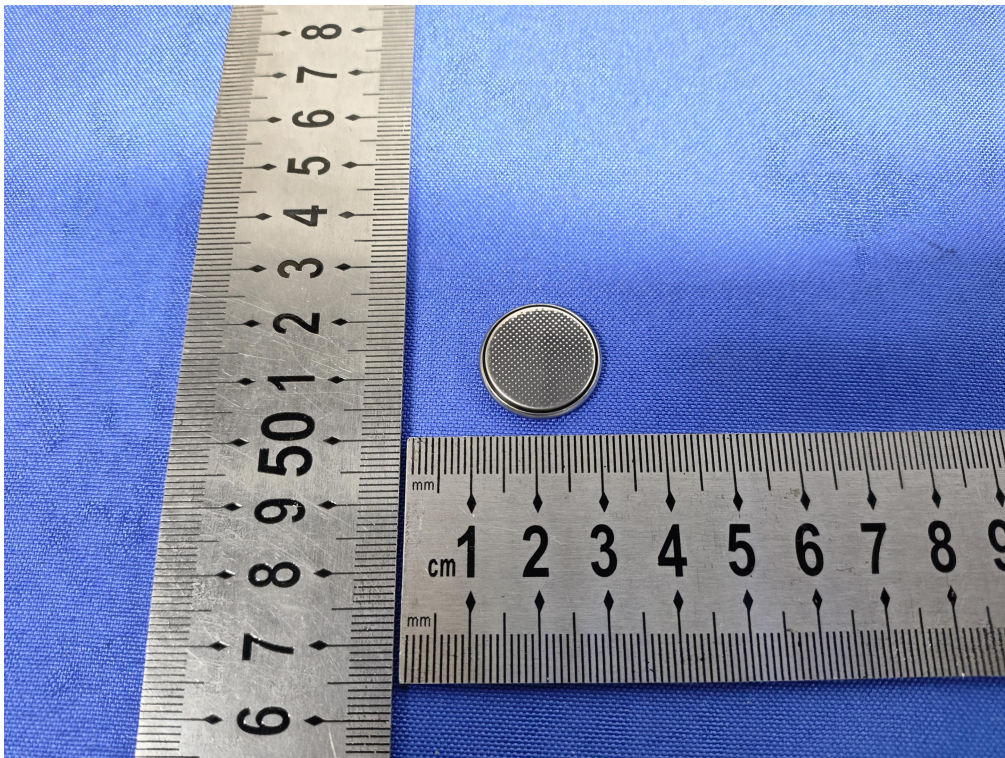
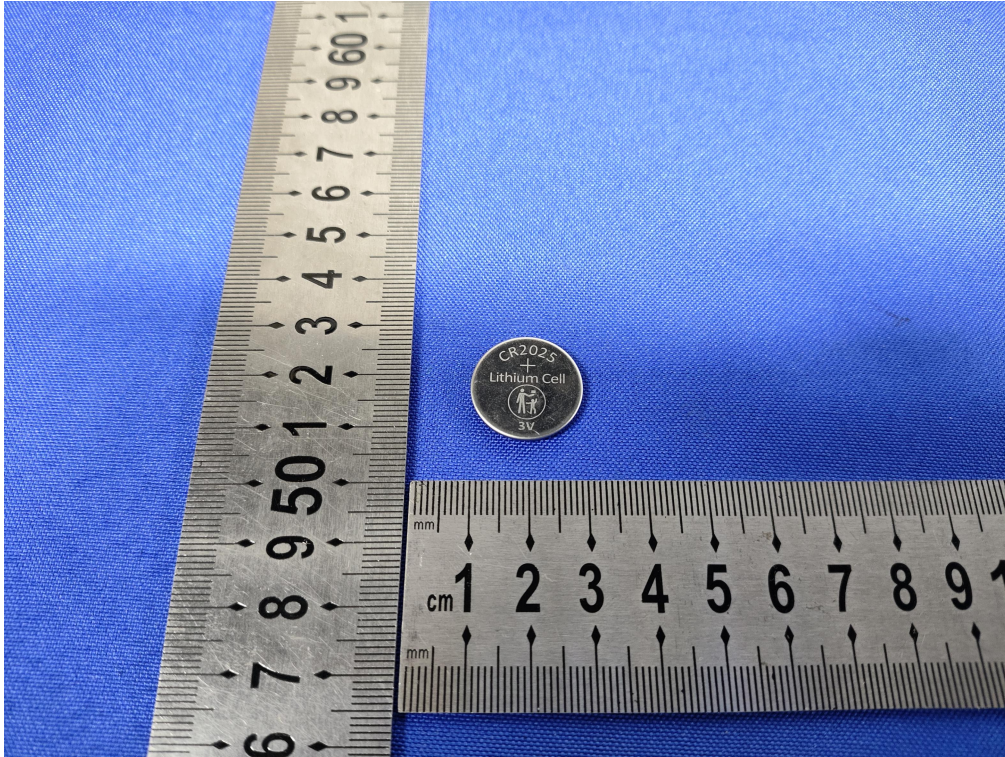
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