

Test Report

No.: CANAF25009178401_1

Date: May 09, 2025

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Client Name: Huizhou BIAMEI Electric Appliances Co.,Ltd.

Client Address: No.1 Xihu Road, Xihu village, Qiuchang Sub-District, Huiyang District, Huizhou City, Guangdong Province,China

Sample Name: Hydrogen water bottle

Manufacturer: /

Model No.: H06, H08, H10, H20, H28, H30, H40, H50, H60, H68, H70, H80, H90

Production Date: /

Sample Batch No.: /

Test Item: H30

The above sample(s) and information were provided by the client.

THIS REPORT IS TO SUPERSEDE TEST REPORT NO.CANAF25009178401, DATE: Apr 28, 2025.

SGS Job No.: O-GZAFL202500947492

Sample Receiving Date: Apr 23, 2025

Testing Period: Apr 23, 2025 ~ Apr 28, 2025

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

	Test Requirement	Conclusion
1	US 21 CFR 109.6 Added Poisonous or Deleterious Substances - Leachable Lead	Pass
2	US FDA 21 CFR 175.300 - Total extractives	Pass
3	US FDA 21 CFR 180.22 & 181.32 - Acrylonitrile monomer	Pass
4	US FDA 21 CFR 177.1580 - Total Extractives	Pass
5	US FDA 21 CFR 177.2600 - Total Extractives	Pass

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Kim Cai

Kim Cai
Approved Signatory

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	1	CAN25-0091784-0001	Translucent silicone ring 1#(semi-product)	Silicone
SN2	2	CAN25-0091784-0002	Translucent silicone ring 2#(semi-product)	Silicone
SN3	3	CAN25-0091784-0003	Translucent silicone ring 3#(semi-product)	Silicone
SN4	4	CAN25-0091784-0004	Translucent silicone ring 4#(semi-product)	Silicone
SN5	5	CAN25-0091784-0005	Translucent silicone sheet(semi-product)	Silicone
SN6	6	CAN25-0091784-0006	Orange silicone part(semi-product)	Silicone
SN7	7	CAN25-0091784-0007	Black sheet(semi-product)	Perfluorinated sulfonic acid resin
SN8	8	CAN25-0091784-0008	Transparent plastic(semi-product)	PC
SN9	9	CAN25-0091784-0009	Silvery metal(semi-product)	Metal
SN10	10	CAN25-0091784-0010	White plastic(semi-product)	ABS

Remarks:

- (1) mg/dm² = milligram per square decimeter
mg/inch² = milligram per square inches
μg/cm² = microgram per square centimeter
mg/L = milligram per litre
mg/kg = milligram per kilogram
- (2) °C = degree Celsius
°F = degree Fahrenheit
- (3) <= less than
- (4) RL = Reporting Limit
- (5) ND = Not Detected (< RL).

US 21 CFR 109.6 Added Poisonous or Deleterious Substances - Leachable Lead

Test Method: With reference to AOAC 973.32-1977(1996), analysis was performed by ICP-MS.

9 Pass

	Volume of 4% Acetic acid used (mL)
1	24
2	24
3	24
4	24
5	24



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	Volume of 4% Acetic acid used (mL)
6	24

	Leachable Lead (µg/mL)
1	<0.005
2	<0.005
3	<0.005
4	<0.005
5	<0.005
6	<0.005
Limit	0.01

US FDA 21 CFR 175.300 - Total extractives

Test Method: With reference to US FDA 21 CFR 175.300.

Simulant used	Test Condition	Limit	Unit(s)	RL	7	Comment
Distilled water	120°F, 24 hrs	18	mg/inch ²	1.0	ND	Pass

Notes:

(1) Limit = Reference limit.

US FDA 21 CFR 180.22 & 181.32 - Acrylonitrile monomer

Test Method: With reference to US FDA 21 CFR 180.22 & 181.32.

Simulant used	Test Condition	Limit	Unit(s)	RL	10	Comment
Distilled water	120°F, 24 hrs	0.003	mg/inch ²	0.001	ND	Pass

US FDA 21 CFR 177.1580 - Total Extractives

Test Method: With reference to US FDA 21 CFR 177.1580.

Simulant used	Test Condition	Limit	Unit(s)	RL	8	Comment
Distilled water	Reflux Temperature, 6 hrs	0.15	%(w/w)	0.02	ND	Pass

US FDA 21 CFR 177.2600 - Total Extractives

Test Method: With reference to US FDA 21 CFR 177.2600.

Simulant used	Test Condition	Limit	Unit(s)	RL	1	Comment
Distilled water	Reflux Temperature 7.0 hrs	20	mg/inch ²	0.5	ND	Pass



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Simulant used	Test Condition	Limit	Unit(s)	RL	1	Comment
Distilled water Succeeding extraction	Reflux Temperature 2.0 hrs	1	mg/inch ²	0.5	ND	Pass

Simulant used	Test Condition	Limit	Unit(s)	RL	2	Comment
Distilled water	Reflux Temperature 7.0 hrs	20	mg/inch ²	0.5	ND	Pass
Distilled water Succeeding extraction	Reflux Temperature 2.0 hrs	1	mg/inch ²	0.5	ND	Pass

Simulant used	Test Condition	Limit	Unit(s)	RL	3	Comment
Distilled water	Reflux Temperature 7.0 hrs	20	mg/inch ²	0.5	ND	Pass
Distilled water Succeeding extraction	Reflux Temperature 2.0 hrs	1	mg/inch ²	0.5	ND	Pass

Simulant used	Test Condition	Limit	Unit(s)	RL	4	Comment
Distilled water	Reflux Temperature 7.0 hrs	20	mg/inch ²	0.5	ND	Pass
Distilled water Succeeding extraction	Reflux Temperature 2.0 hrs	1	mg/inch ²	0.5	ND	Pass

Simulant used	Test Condition	Limit	Unit(s)	RL	5	Comment
Distilled water	Reflux Temperature 7.0 hrs	20	mg/inch ²	0.5	ND	Pass
Distilled water Succeeding extraction	Reflux Temperature 2.0 hrs	1	mg/inch ²	0.5	ND	Pass

Simulant used	Test Condition	Limit	Unit(s)	RL	6	Comment
Distilled water	Reflux Temperature 7.0 hrs	20	mg/inch ²	0.5	ND	Pass
Distilled water Succeeding extraction	Reflux Temperature 2.0 hrs	1	mg/inch ²	0.5	ND	Pass

This report updates Tested Sample Info., Model No & Test Item.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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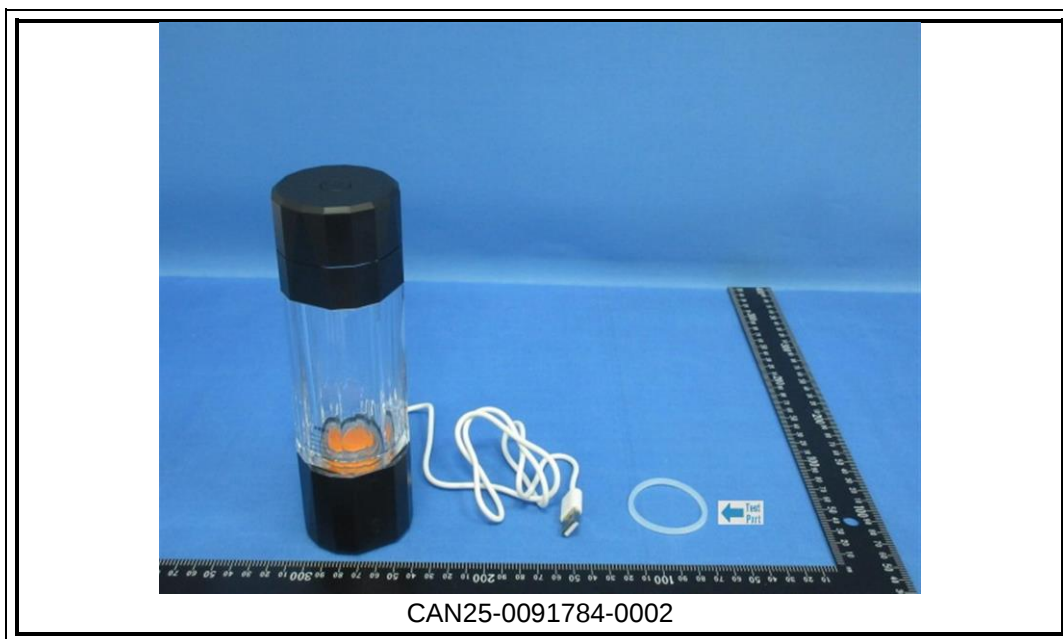
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Sample Photo:



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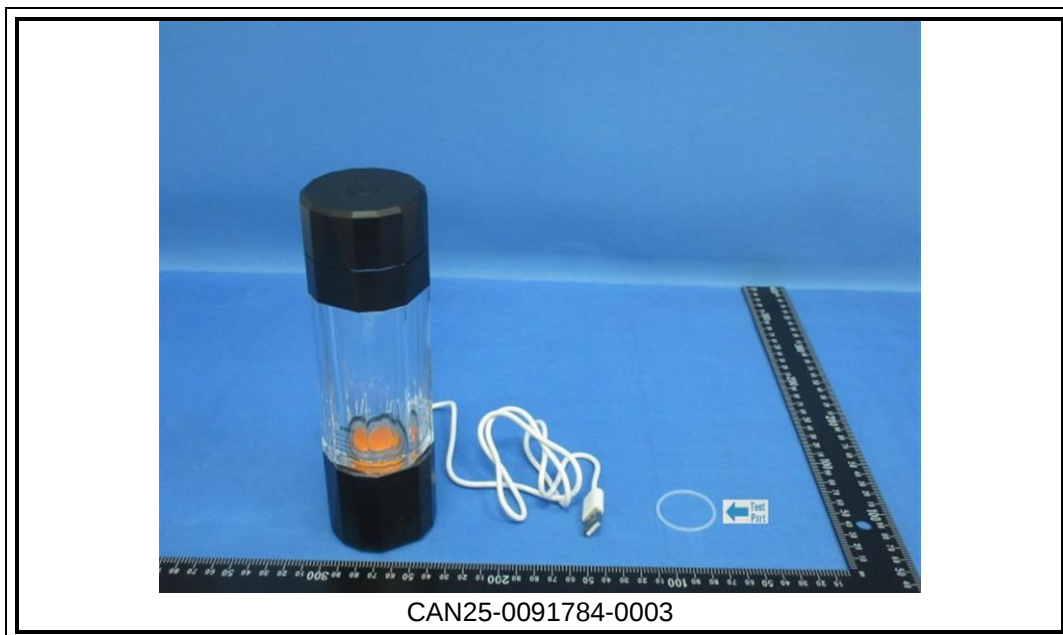
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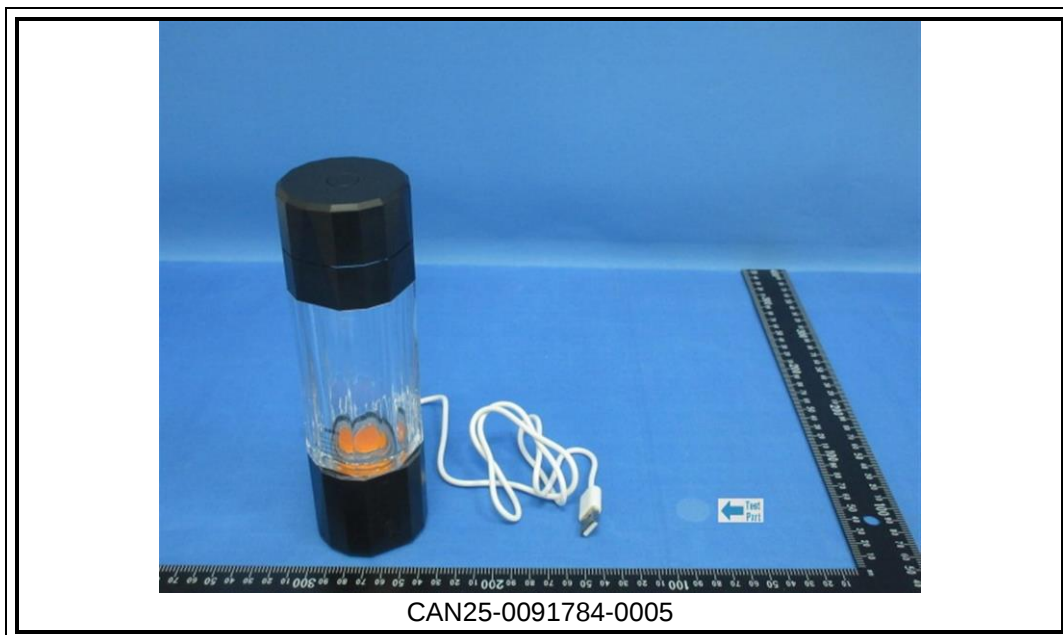
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