

RoHS TEST REPORT

Applicant	Cixishi Jijiayou Electrical Appliance Co., Ltd.
Address	No. 120, Zhongjiatang, Zhouxiang Town, Cixi City, Zhejiang, China
Manufacturer	Cixishi Jijiayou Electrical Appliance Co., Ltd.
Address	No. 120, Zhongjiatang, Zhouxiang Town, Cixi City, Zhejiang, China
Sample Name	Iron
Model	R.11221H
Series Model	A.80301,ACL-95301,R.11218G,R.11218W,R.11221V,R.11222L,R.11218K,JJY-02
Date of Receipt	Aug. 08, 2025
Date of Test	Aug. 08, 2025 to Aug. 15, 2025
Date of Report	Aug. 15, 2025
Test laboratory	Guangdong KAIXU Testing Technology Co., Ltd.
Test location	Room 215, Building 2, No. 123, Dongcheng Section, Guanlong Road, Dongcheng Street, Dongguan City, Guangdong Province, China

Test Conclusion:

Test Requested	Conclusion
As specified by client, to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent chromium(Cr ⁶⁺), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Dibutyl phthalate (DBP), Butyl benzyl phthalate(BBP), Bis(2-2thylhexyl) phthalate (DEHP) and Diisobutyl phthalate (DIBP) content in the submitted sample(s) in accordance with EU directive 2011/65/EU and revised directive (EU)2015/863 (RoHS2.0) .	PASS

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of KAIXU Test International

Tested by: Cathy

Approved by: Martin

Test Method:

1. With reference to IEC 62321-2:2021, review was performed for the samples disjointed from the submitted articles.
2. With reference to IEC 62321-1:2013, tests were performed for the samples indicated by the photos in this report
 - (1) With reference to IEC 62321-3-1:2013, screening by XRF spectroscopy.
 - (2) Wet chemical test method
 - a. With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.
 - b. With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.
 - c. With reference to IEC 62321-4:2013+A1:2017, determination of Mercury by ICP-OES.
 - d. With reference to IEC 62321-7-1:2015 & IEC 62321-7-2:2017, determination of Hexavalent chromium by Colorimetric method using UV-Vis.
 - e. With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.
3. With reference to IEC 62321-8: 2017, determination of phthalates by GC-MS.

Test Result:

Item	Results of XRF ⁽¹⁾ (mg/kg)					Results of Wet Chemical Test ⁽²⁾ (mg/kg)						
	Pb	Cd	Hg	Cr	Br	Cr6+	PBBs	PBDEs	DBP	BBP	DEHP	DIBP
Limit	1000	100	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
No.												
1	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
2	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
3	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
4	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
5	BL	BL	BL	BL	--	--	--	--	--	--	--	--
6	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
7	BL	BL	BL	BL	--	--	--	--	--	--	--	--
8	BL	BL	BL	BL	--	--	--	--	--	--	--	--
9	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
10	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
11	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
12	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
13	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
14	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
15	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
16	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
17	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
18	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
19	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

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Item	Results of XRF ⁽¹⁾ (mg/kg)					Results of Wet Chemical Test ⁽²⁾ (mg/kg)						
	Pb	Cd	Hg	Cr	Br	Cr6+	PBBs	PBDEs	DBP	BBP	DEHP	DIBP
Limit	1000	100	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
No.												
20	BL	BL	BL	BL	--	--	--	--	--	--	--	--
21	BL	BL	BL	BL	--	--	--	--	--	--	--	--
22	BL	BL	BL	BL	--	--	--	--	--	--	--	--
23	BL	BL	BL	X	--	NEG	--	--	--	--	--	--
24	BL	BL	BL	BL	--	--	--	--	--	--	--	--
25	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
26	BL	BL	BL	BL	--	--	--	--	--	--	--	--
27	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
28	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
29	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
30	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
31	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
32	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
33	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
34	BL	BL	BL	BL	BL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
35	BL	BL	BL	BL	--	--	--	--	--	--	--	--

Remark:

(1)

Pb=Lead,

Cd=Cadmium,

Hg=Mercury,

Cr=Chromium,

Br=Bromine,

PBBs=Polybrominated biphenyls,

PBDEs=Polybrominated diphenyl ethers.

(2)

(a) It is the result on total Br while test item on restricted substances is PBBs/PBDEs. It is the result on total Cr while test item on restricted substances is Cr6+.

(b) Results are obtained by XRF for primary screening, and further chemical testing by ICP-OES (for Cd, Pb,Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC62321-3-1:2013(unit: mg/kg).

Element	Unit	Non-metal	Metal	Composite Material
Cd	mg/kg	BL≤70-3σ< X <130+3σ≤OL	BL≤70-3σ< X <130+3σ≤OL	BL≤50-3σ< X <150+3σ≤OL
Pb	mg/kg	BL≤700-3σ< X <1300+3σ≤OL	BL≤700-3σ< X <1300+3σ≤OL	BL≤500-3σ< X <1500+3σ≤OL
Hg	mg/kg	BL≤700-3σ< X <1300+3σ≤OL	BL≤700-3σ< X <1300+3σ≤OL	BL≤500-3σ< X <1500+3σ≤OL
Cr	mg/kg	BL≤700-3σ< X	BL≤700-3σ< X	BL≤500-3σ< X
Br	mg/kg	BL≤300-3σ< X	--	BL≤250-3σ< X

(c) OL=Over Limit, BL=Below Limit, X=inconclusive, LOD=Limit of Detection, NA=not applicable

(d) The XRF screening test for RoHS elements-The reading may be different to the actual content in the sample be of non-uniformity composition

(3)

(a) mg/kg=ppm=0.0001%, N.D.=not detected(<MDL), NEG= Negative

(b) Unit and Method Detection Limit (MDL) in wet chemical test

Test Items	Pb	Hg	Cd	PBBs	PBDEs	DBP	BBP	DEHP	DIBP
Unit	mg/kg								
MDL	10	10	10	50	50	50	50	50	50

The MDL for single compound of PBBs & PBDEs is 50mg/kg, MDL of Cr⁶⁺ for metal sample is 0.10µg/cm² and MDL of Cr⁶⁺ for polymer & composite sample is 8mg/kg.

(c) Metal sample:

	CrVI concentration	Conclusion
1	> 0.13 µg/cm ²	Positive
2	< 0.10 µg/cm ²	Negative
3	0.10 µg/cm ² ~ 0.13 µg/cm ²	Inconclusive

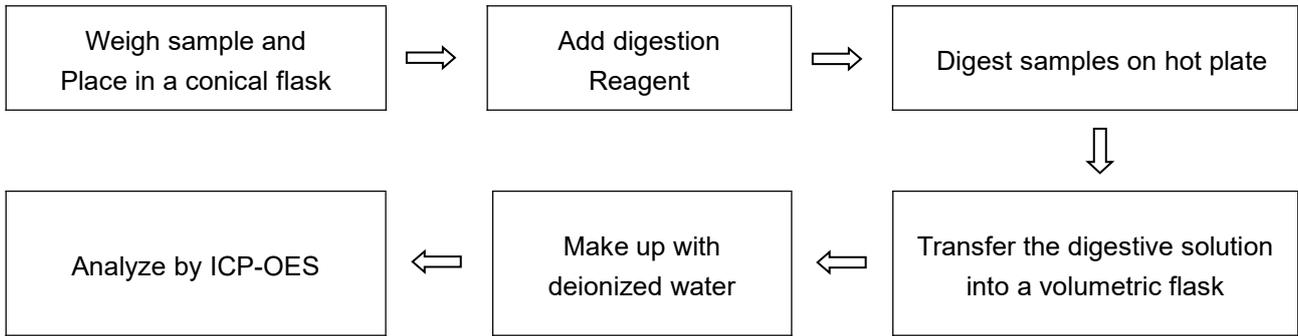
unavoidable coating variations may influence the determination

Information on storage conditions and production date of the tested sample is unavailable and thus Cr⁶⁺ results represent status of the sample at the time of testing.

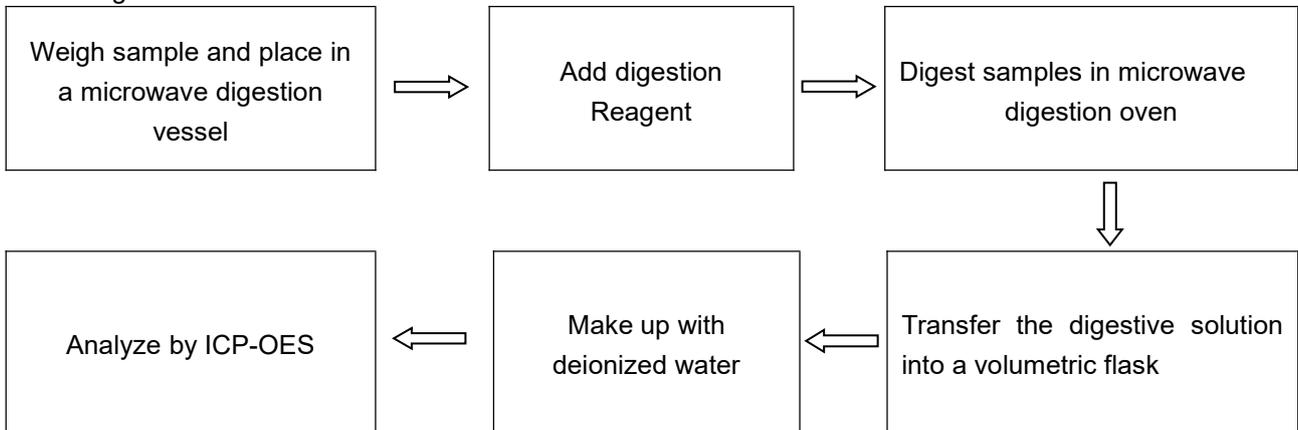
Appendix I

Test Process:

1. Test for Cd/Pb Content

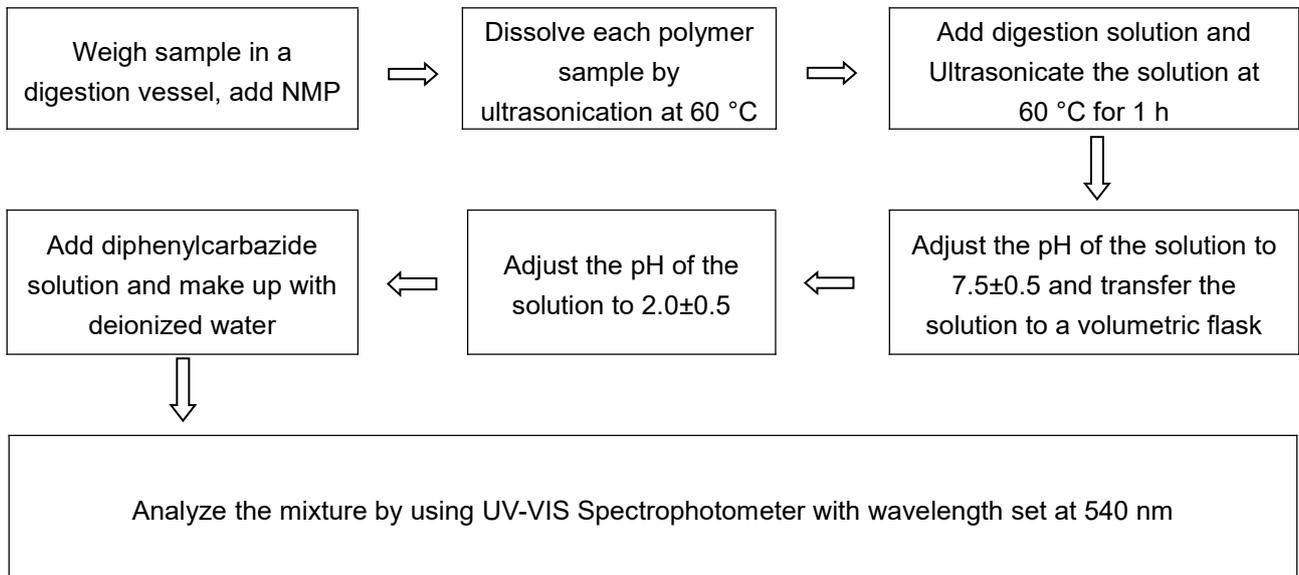


2. Test for Hg Content

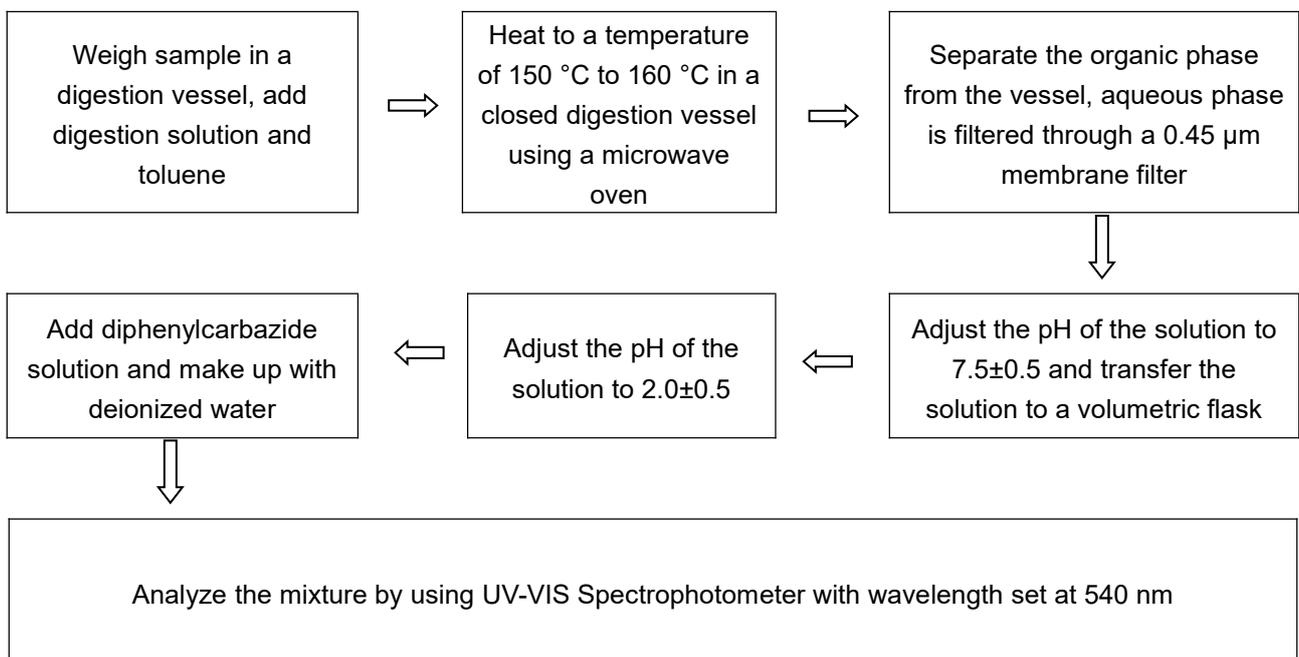


3. Test for Chromium (VI) Content

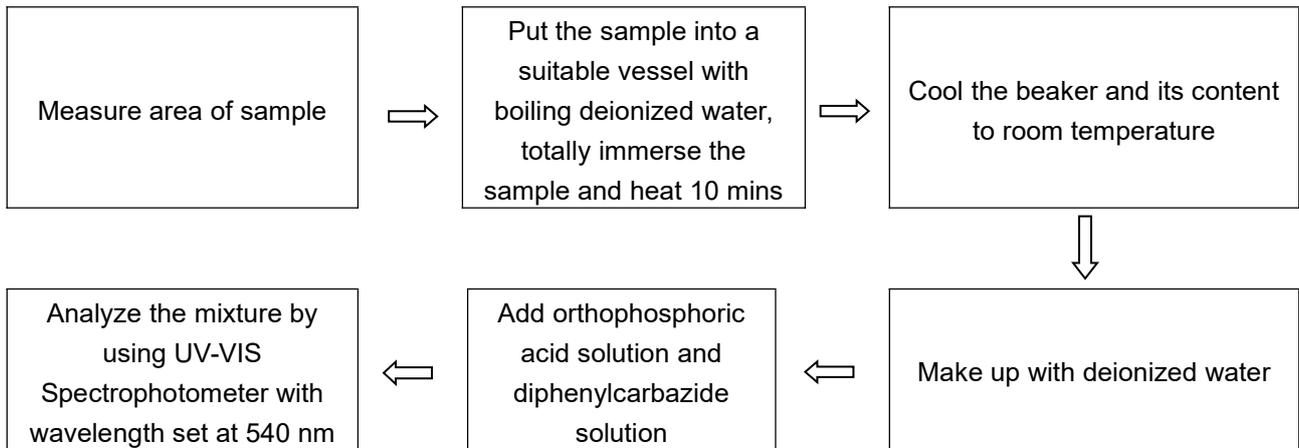
Soluble polymers:



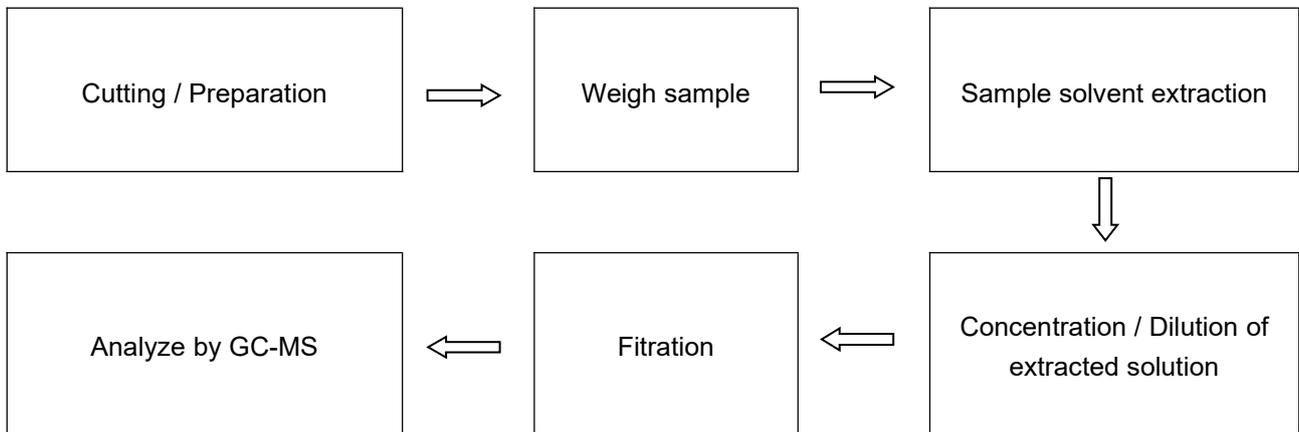
Insoluble/unknown polymers and electronics without Sb



Metal material



4. Test for DBP, BBP, DEHP, DIBP, PBBs, PBDEs Content



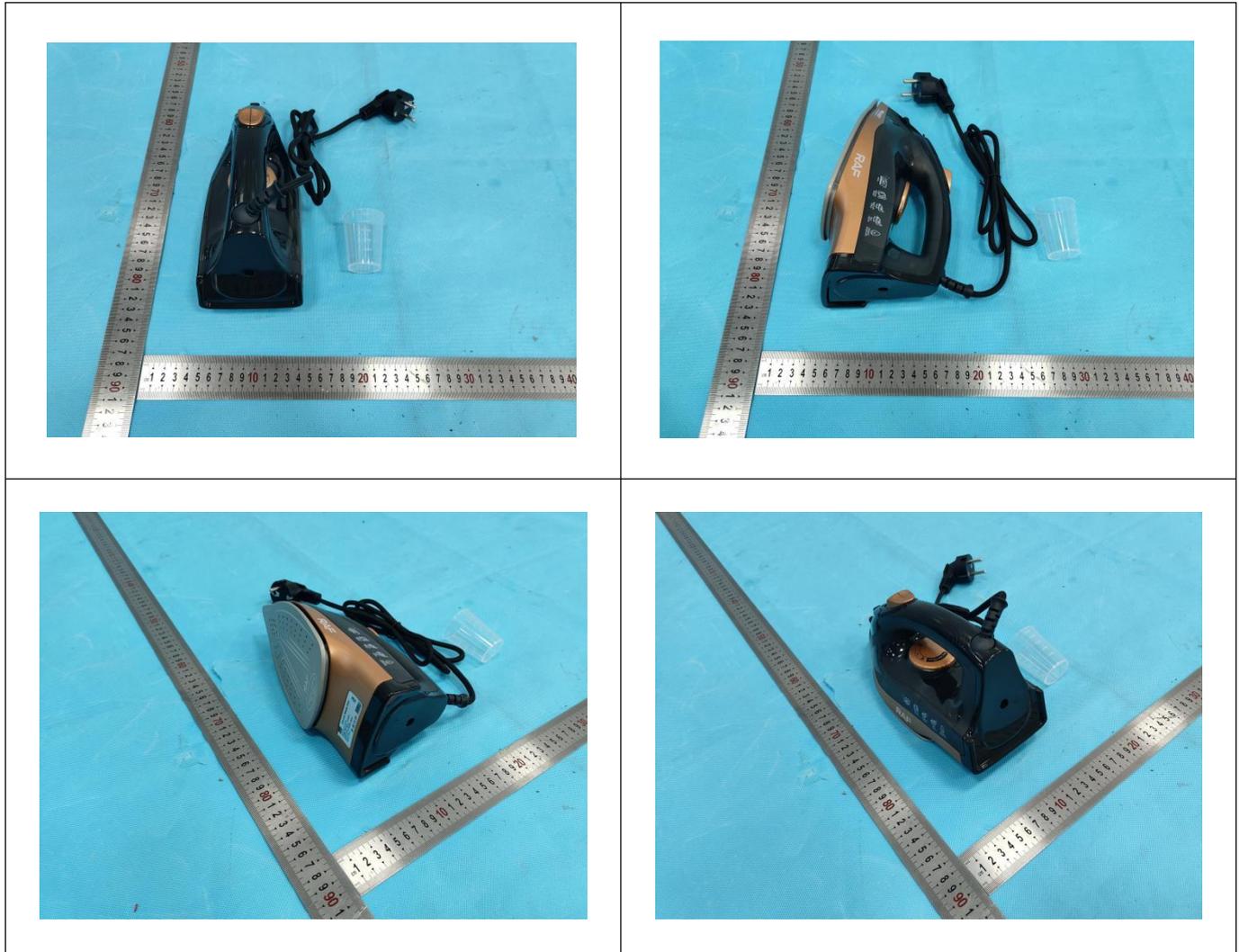
Sample Description:

Material No.	Description
1	Black printed white plastic label
2	Black plastic casing
3	White plastic fasteners
4	Grey silicone rubber fasteners
5	Silver metal base
6	Red glue
7	White printed grey metal plate
8	Silver metal components
9	Black plastic casing
10	Golden-yellow plastic components
11	White plastic ring
12	Transparent silicone tube
13	Transparent plastic rod
14	Black printed golden yellow plastic shell
15	Grey plastic shell
16	Red plastic switch
17	Black plastic component
18	Transparent creased cap
19	Transparent LED lamp
20	Silver metal spring
21	Silver metal screw
22	Silver metal iron sheet
23	Silver metal screw
24	Silver temperature fuse
25	Black rubber outer skin
26	Copper-colored metal wire core
27	Brown plastic wire sheath
28	Red woven outer leather
29	Blue woven outer leather
30	Dark blue plastic wire sheath
31	White woven outer leather

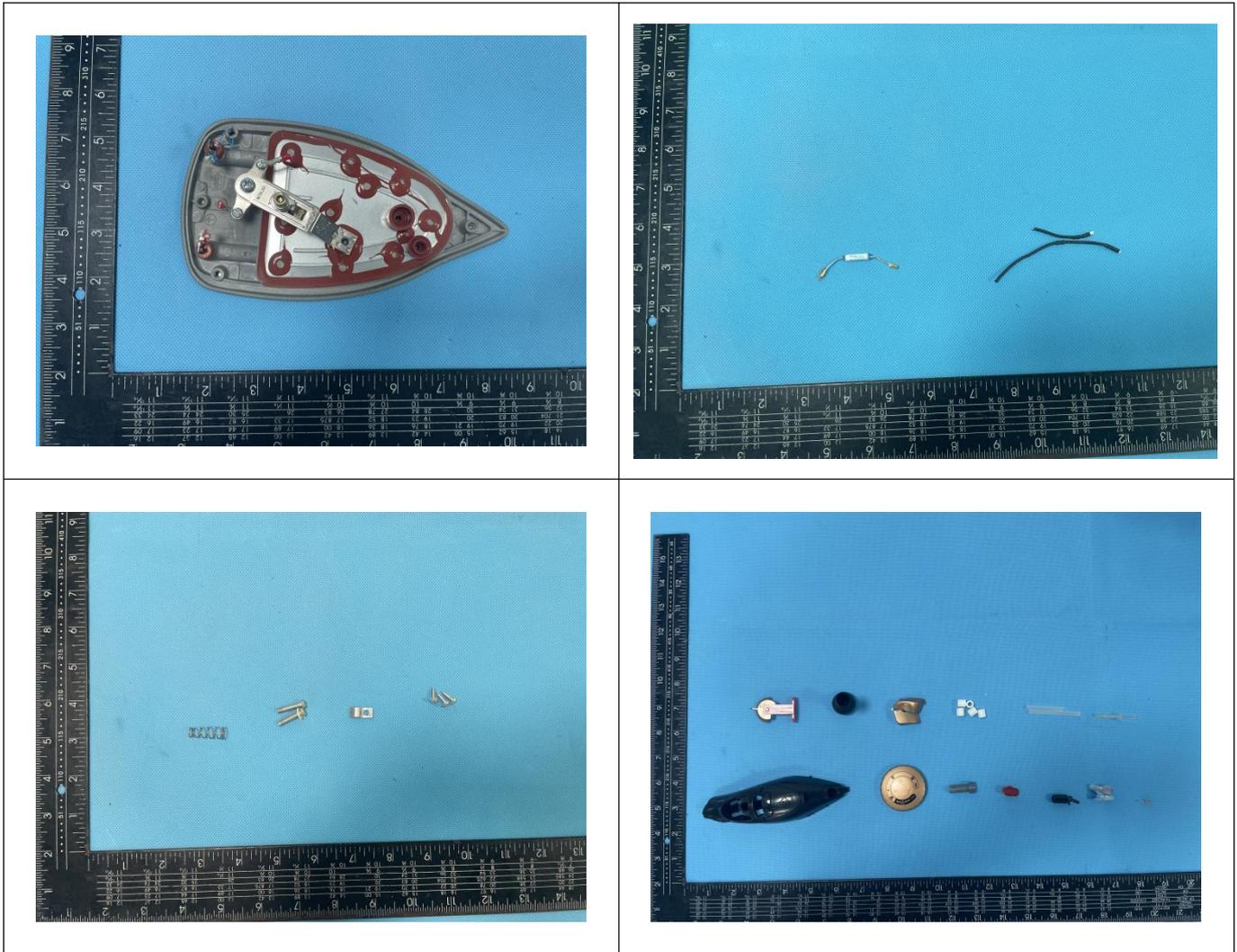
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Material No.	Description
32	Off-white woven leather
33	Black woven outer leather
34	White woven outer leather
35	Silver metal plug

Tested sample photos







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