

Rep. No.

D-20260511W18939X-R3



扫码 查询和建议

VERIFICATION REPORT

Client Name

Shenzhen Huafurui Technology Co., Ltd.

Name of product

Smart Watch

Manufacturer

Shenzhen Huafurui Technology Co., Ltd.

Model

Z216

Test sort

Commission Test



CCIC Southern Testing Co., Ltd.

Address: Electronic Testing Building, No.43, Shahe Road, Xili Street, Nanshan District, Shenzhen, Guangdong, China

Company Internet: <http://www.ccic-set.com>

P.C.: 518055

Report query Internet: <http://yz.cncaq.com/>

Report query E-Mail: manager@ccic-set.com.

Feedback E-Mail: integrity@ccic-set.com

Feedback tel: 0755-86185963



Customer information	Client	Shenzhen Huafului Technology Co., Ltd.
	Address	Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China
Sample information	Name of sample	Smart Watch
	TEST Model	Z216
	Trade Name	CUBOT
	Manufacturer	Shenzhen Huafului Technology Co., Ltd.
	Address	Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China
	Factory	Shenzhen Zhilian Shengya Electronic Technology Co., Ltd.
	Address	5th Floor, Building B, Huawan Industrial Park, Xixiang Street, Bao'an District, Shenzhen, Guangdong, CN(China).
Test information	Sample Received	May 19, 2026, Jul. 10, 2026
	Testing Period	May 19, 2026~ Jul. 24, 2026
	Testing location	Building 1, No.125, Hongmei Section, Wangsha Road, Hongmei Town, Dongguan City, Guangdong Province, China.
	Test sort	Commission Test
	Item Requested	See next page
	Standard/Foundation	See next page
	Conclusion	The tested sample complied with RoHS directive (2011/65/EU) and amending directive (EU)2015/863.
Remark	According to the customer's statement, the differences between the additional model and the test model are: different model names, but all other materials are exactly the same. Additional model: Z216A, Z216B, Z216C, Z216D, Z216E, Z216F, Z216G, Z216H, Z216J, Z216S, Z216Pro, U2.	

Tested By:

Lu xue ling

Checked By:

yan

Approved By:

Xu Peng

Date:

Jul. 24, 2026

Date:

Jul. 24, 2026

Date:

Jul. 24, 2026





Item Requested	(1) As specified by client, XRF screening test Cd, Pb, Hg, Cr(VI), PBBs, PBDEs and Mixed chemical test phthalates(DIBP, DEHP, BBP, DBP) content in the submitted sample. (2) When the screening results exceed the screening limits set by EN 62321-3-1:2014 or the results of the phthalate mixture tests listed in this report exceed the warning values, further use more precise chemical methods for the determination of Cd, Pb, Hg, Cr(VI), PBBs, PBDEs and phthalates(DIBP, DEHP, BBP, DBP) in the submitted samples.
Standard/Foundation	(1) According to EN 62321-3-1:2014, Screening - Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry According to IEC 62321-12:2023, Mixed chemical test of phthalates by GC-MS (2) Chemical test method: According to IEC 62321-5:2013, determination of Lead, Cadmium, by ICP According to IEC 62321-4:2013+A1:2017, determination of Mercury by ICP According to IEC 62321-7-2:2017 & IEC 62321-7-1:2015, determination of Hexavalent Chromium by Colorimetric method According to IEC 62321-6:2015, determination of PBBs, PBDEs by GC-MS. According to IEC 62321-8:2017, determination of phthalates by GC-MS.





Test Results:

No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
1	Silver metal frame	Cd	BL	/	P	May 19, 2026
		Cr(VI)	D	N.D.	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
2	Silver metal block	Cd	BL	/	P	May 19, 2026
		Cr(VI)	D	N.D.	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
3	Black rubber buckle	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
4	Black rubber watch band	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	





No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
5	Black metal knob	Cd	D	N.D.	P	May 19, 2026
		Cr(VI)	D	N.D.	P	
		Hg	BL	/	P	
		Pb	D	N.D.	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
6	Black glass display screen	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
7	Silver metal pull rod	Cd	BL	/	P	May 19, 2026
		Cr(VI)	D	N.D.	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
8	Silver metal housing	Cd	BL	/	P	May 19, 2026
		Cr(VI)	D	N.D.	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	





No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
9	Silver metal pin	Cd	BL	/	P	May 19, 2026
		Cr(VI)	D	N.D.	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
10	Black plastic housing	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
11	Silver plastic sheet	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
12	Dark protective film	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	



No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
13	Transparent plastic sheet	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
14	White translucent plastic film	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
15	Black plastic sheet	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
16	Transparent plastic plate	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	





No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
17	White plastic inner frame	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
18	Brown plastic sheet	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
19	Flexible PCB board	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
20	White PCB board	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	



No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
21	White LED lamp	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
22	Black PCB board	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
23	Black triode	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
24	SMD capacitor	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	





No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
25	Solder	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
26	SMD resistor	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
27	Black plastic push rod	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
28	Black plastic socket	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	





No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
29	Silver metal pin	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
30	Black plastic base	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
31	Silver metal pin	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
32	Crystal oscillator	Cd	BL	/	P	May 19, 2026
		Cr(VI)	D	N.D.	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	





No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
33	White plastic sticker	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
34	IC	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
35	Silver metal gasket	Cd	BL	/	P	May 19, 2026
		Cr(VI)	D	N.D.	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
36	Flexible PCB board	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	





No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
37	White plastic sticker	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
38	Silver metal shrapnel	Cd	BL	/	P	May 19, 2026
		Cr(VI)	D	N.D.	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
39	Silver metal outer frame	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
40	Transparent plastic film	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	



No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
41	White plastic sticker	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
42	Copper metal wire core	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
43	Black plastic frame	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
44	Silver magnet	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	





No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
45	Red plastic wire insulation	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
46	Black plastic wire insulation	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
47	Copper metal wire core	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
48	Black plastic sticker	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	





No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
49	Silver metal housing	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
50	Black plastic wire insulation	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
51	Red plastic wire insulation	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
52	Blue plastic wire insulation	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	



No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
53	Copper metal wire core	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
54	Black rubber outer sheath	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
55	White glue	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
56	Silver metal gasket	Cd	BL	/	P	May 19, 2026
		Cr(VI)	D	N.D.	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	





No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
57	Copper metal pin	Cd	BL	/	P	May 19, 2026
		Cr(VI)	D	N.D.	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
58	Copper metal housing	Cd	BL	/	P	May 19, 2026
		Cr(VI)	D	N.D.	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
59	Silver metal spring	Cd	BL	/	P	May 19, 2026
		Cr(VI)	D	N.D.	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
60	Silver magnet	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	



No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
61	Silver metal USB socket	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
62	White plastic inner core	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
63	Copper metal pin	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
64	Black plastic outer sheath	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	





No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
65	Black plastic wire sleeve	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
66	Red plastic wire insulation	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
67	Black plastic wire insulation	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
68	Copper metal wire core	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	





No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
69	Black plastic outer sheath	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
70	Black plastic housing	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
71	Silver magnet	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
72	Copper metal pin	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	





No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
73	Copper metal housing	Cd	BL	/	P	May 19, 2026
		Cr(VI)	D	N.D.	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
74	Silver metal spring	Cd	BL	/	P	May 19, 2026
		Cr(VI)	D	N.D.	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	
75	Green PCB board	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	D	N.D.	P	
		PBDEs	D	N.D.	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
76	SMD resistor	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	





No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
77	Pink rubber watch band	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
78	Pink rubber buckle	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
79	Pink plastic housing	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
80	Pink metal knob	Cd	BL	/	P	May 19, 2026
		Cr(VI)	D	N.D.	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	



No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
81	Green rubber watch band	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
82	Green rubber buckle	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
83	Green plastic housing	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
84	Green metal knob	Cd	D	N.D.	P	May 19, 2026
		Cr(VI)	D	N.D.	P	
		Hg	BL	/	P	
		Pb	D	N.D.	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	





No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
85	Grey rubber watch band	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
86	Grey rubber buckle	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
87	Grey plastic housing	Cd	BL	/	P	May 19, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
88	Grey metal knob	Cd	BL	/	P	May 19, 2026
		Cr(VI)	D	N.D.	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	/	/	P	
		PBDEs	/	/	P	
		DEHP	/	/	P	
		DBP	/	/	P	
		BBP	/	/	P	
		DIBP	/	/	P	





No.	COMPONENTS	Item	Results of EDXRF (BL/OL/D)	Results of chemical testing (mg/kg)	Conclusion (P/F)	Sample submitted/ Resubmitted date
89	Black plastic back cover	Cd	BL	/	P	Jul. 10, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
90	Pink plastic back cover	Cd	BL	/	P	Jul. 10, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
91	Grayish-white plastic back cover	Cd	BL	/	P	Jul. 10, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	
92	Blue plastic back cover	Cd	BL	/	P	Jul. 10, 2026
		Cr(VI)	BL	/	P	
		Hg	BL	/	P	
		Pb	BL	/	P	
		PBBs	BL	/	P	
		PBDEs	BL	/	P	
		DEHP	/	BL	P	
		DBP	/	BL	P	
		BBP	/	BL	P	
		DIBP	/	BL	P	



Remark:

- (1) It is the result on total Br while test PBBs and PBDEs by EDXRF. It is the result on total Cr while test Hexavalent Chromium by EDXRF.
- (2) Results are obtained by EDXRF for primary screening, and chemical testing by ICP (for Cd, Pb, Hg), UV-VIS (Cr(VI)) and GCMS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below screening limits (unit:mg/kg)

Element	Polymer	Metal	Composite Materials
Cd	$BL \leq 70-3\sigma < D < 130+3\sigma \leq OL$	$BL \leq 70-3\sigma < D < 130+3\sigma \leq OL$	$BL \leq 50-3\sigma < D < 150+3\sigma \leq OL$
Pb	$BL \leq 700-3\sigma < D < 1300+3\sigma \leq OL$	$BL \leq 700-3\sigma < D < 1300+3\sigma \leq OL$	$BL \leq 500-3\sigma < D < 1500+3\sigma \leq OL$
Hg	$BL \leq 700-3\sigma < D < 1300+3\sigma \leq OL$	$BL \leq 700-3\sigma < D < 1300+3\sigma \leq OL$	$BL \leq 500-3\sigma < D < 1500+3\sigma \leq OL$
Br	$BL \leq 300-3\sigma < D$	----	$BL \leq 250-3\sigma < D$
Cr	$BL \leq 700-3\sigma < D$	$BL \leq 700-3\sigma < D$	$BL \leq 500-3\sigma < D$

BL = Below limit; OL= Over limit; D = DETECTED;

For composite material, the ED-XRF results may be different to the actual content in the sample.

- (3) Phthalate mixture chemical test for preliminary screening, and further individual testing by GC-MS (for DBP, BBP, DEHP and DIBP) are recommended to be performed if the concentration exceeds the below warning value.

Test Item	Warning Limit (Unit: mg/kg)
Di-2-ethylhexyl phthalate(DEHP)	*BL < 300
Dibutyl phthalate(DBP)	*BL < 300
Benzylbutyl phthalate(BBP)	*BL < 300
Diisobutyl phthalate(DIBP)	*BL < 300

*BL= Phthalate mixture chemical test results < 300 mg/kg, Below Warning Limit

- (4) Chemical test

Test Item(s)	MDL	Limit
Cd	2 mg/kg	100 mg/kg
Cr(VI)	Polymer and Composite Materials: 8 mg/kg	1000 mg/kg
	Metal: **0.10 $\mu\text{g}/\text{cm}^2$	
Hg	2 mg/kg	1000 mg/kg
Pb	2 mg/kg	1000 mg/kg
PBBs	5 mg/kg	1000 mg/kg
PBDEs	5 mg/kg	1000 mg/kg
Di-2-ethylhexyl phthalate(DEHP)	30 mg/kg	1000 mg/kg
Dibutyl phthalate(DBP)	30 mg/kg	1000 mg/kg
Benzylbutyl phthalate(BBP)	30 mg/kg	1000 mg/kg
Diisobutyl phthalate(DIBP)	30 mg/kg	1000 mg/kg

- (5) mg/kg = ppm; N.D. = NOT DETECTED (<MDL) ; MDL = Method Detection Limit

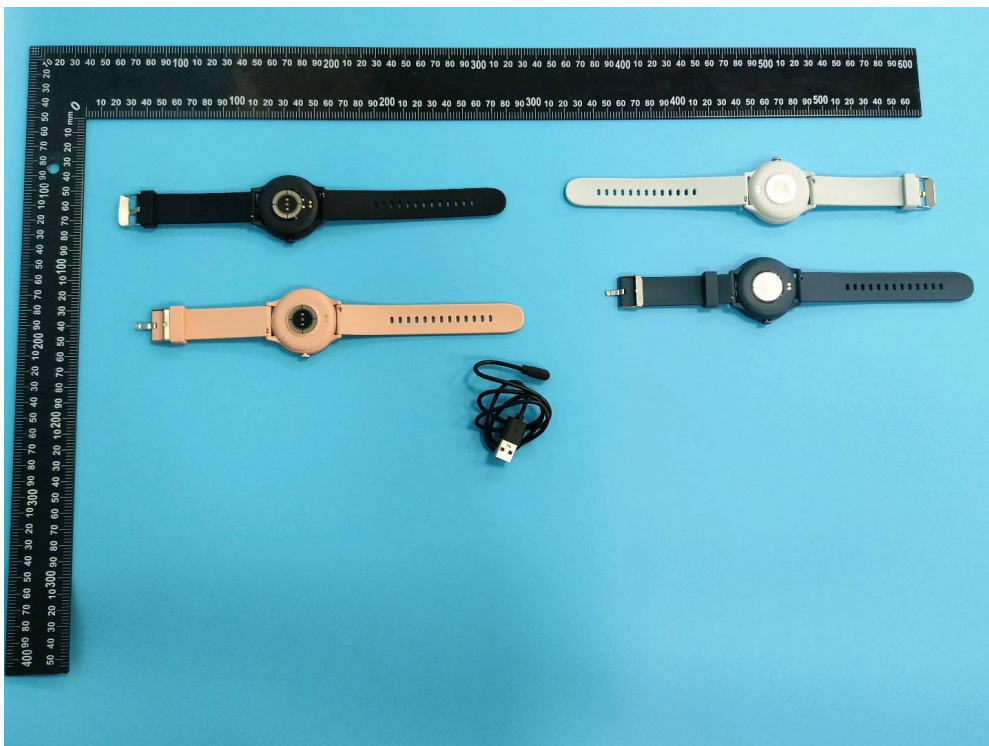
**= a. The sample is positive for CrVI if the CrVI concentration is greater than 0.13 $\mu\text{g}/\text{cm}^2$. The sample coating is considered to contain CrVI

b. The sample is negative for CrVI if CrVI is ND (concentration less than 0.10 $\mu\text{g}/\text{cm}^2$). The coating is considered a non-CrVI based coating

c. The result between 0.10 $\mu\text{g}/\text{cm}^2$ and 0.13 $\mu\text{g}/\text{cm}^2$ is considered to be inconclusive -unavoidable coating variations may influence the determination

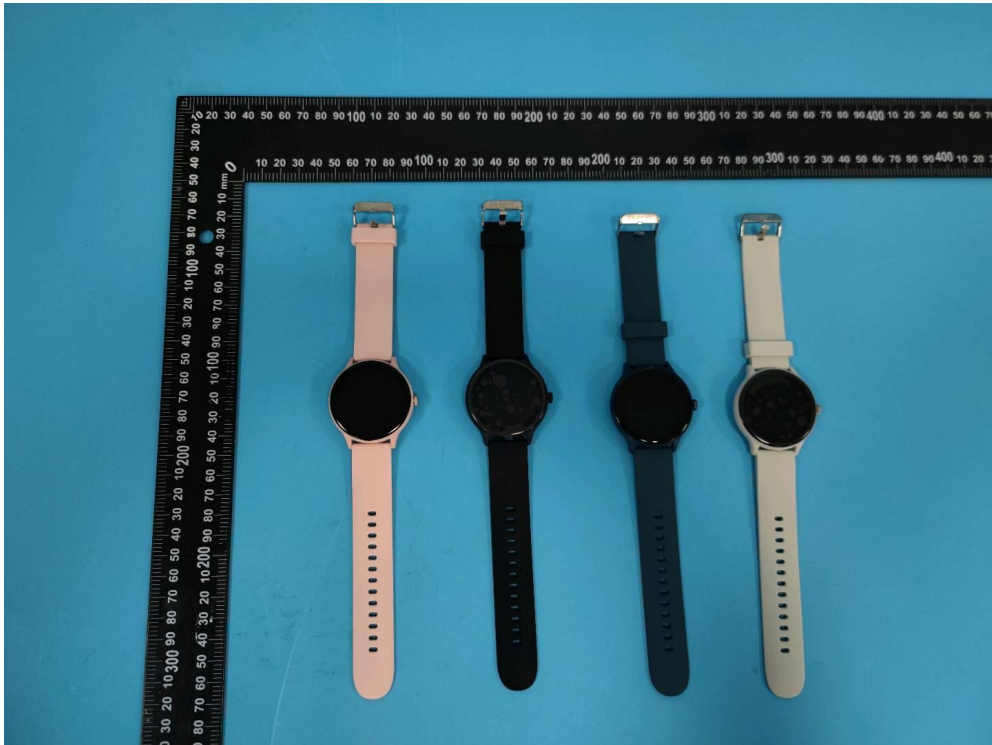


Sample photo



20260511W18939X

Sample photo

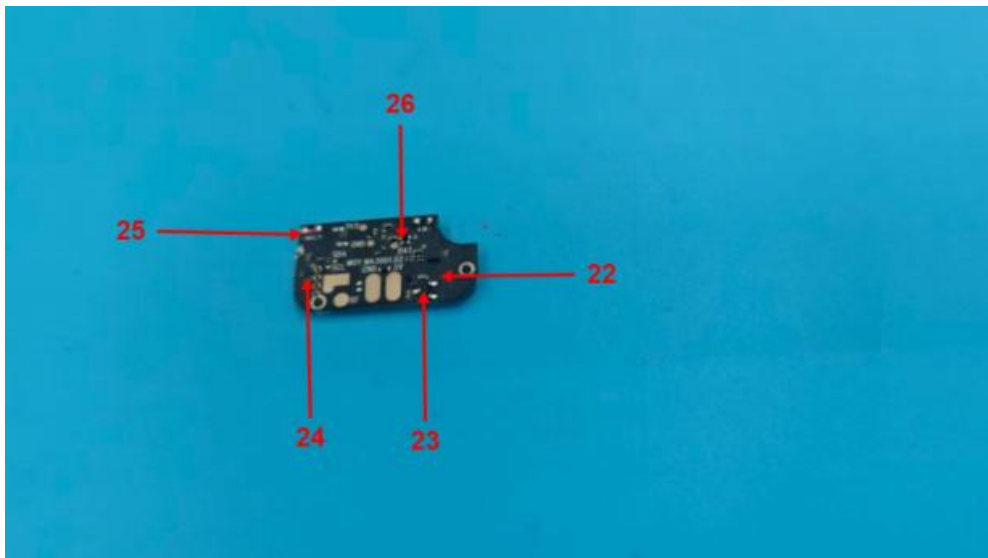
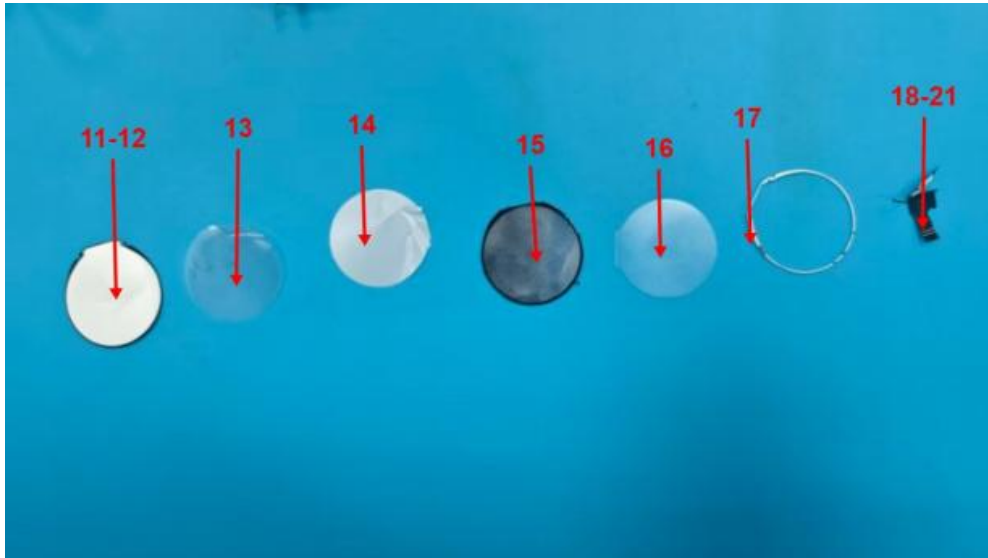


20260511W18939X

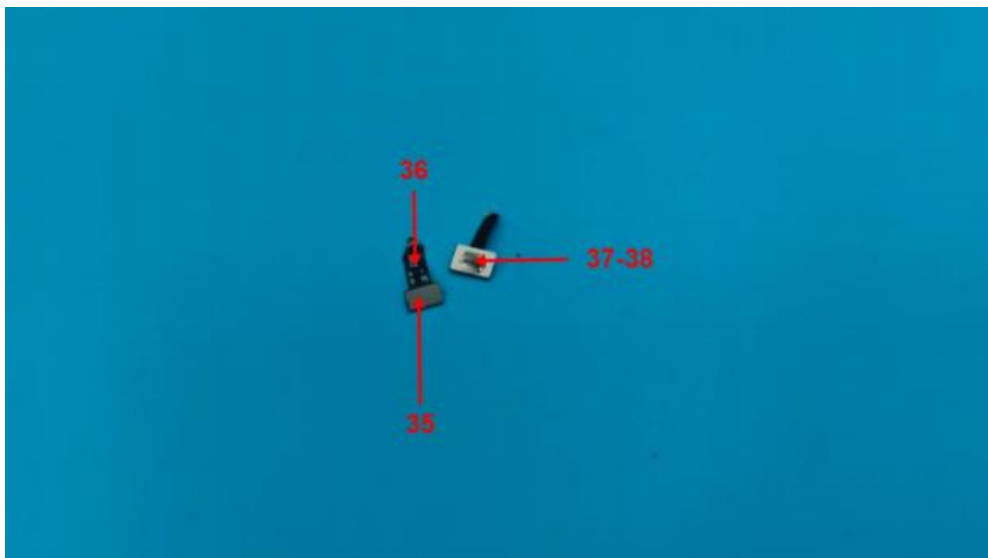
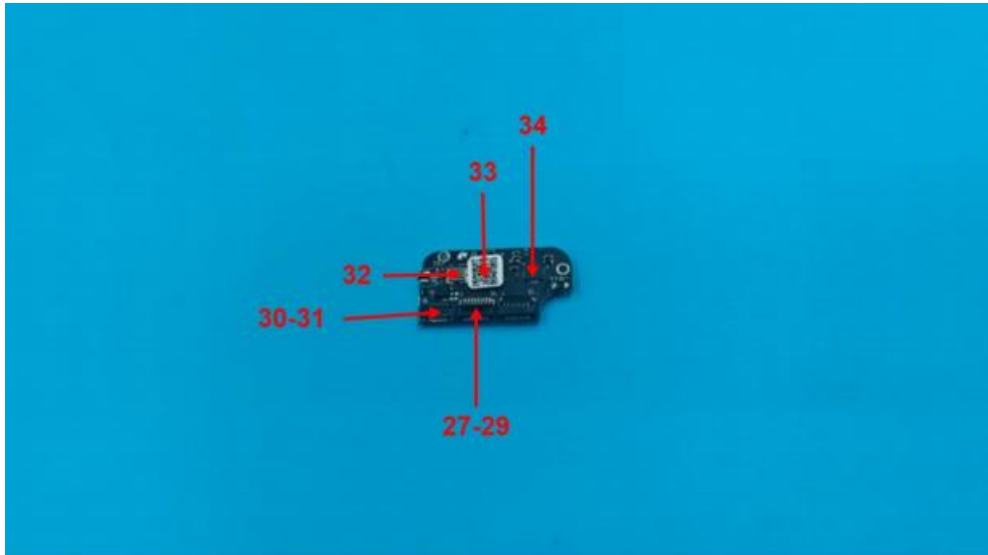
Detailed Split Chart



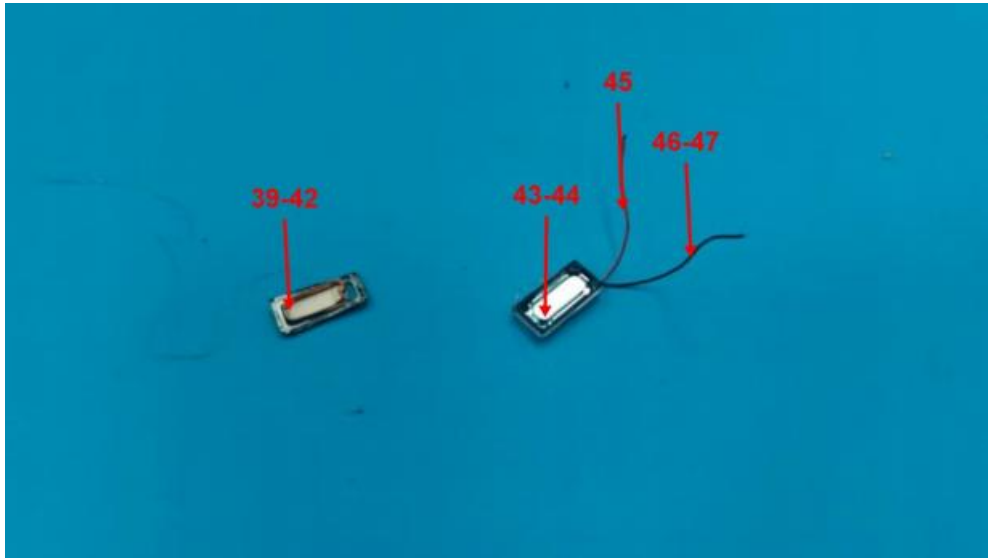
Detailed Split Chart



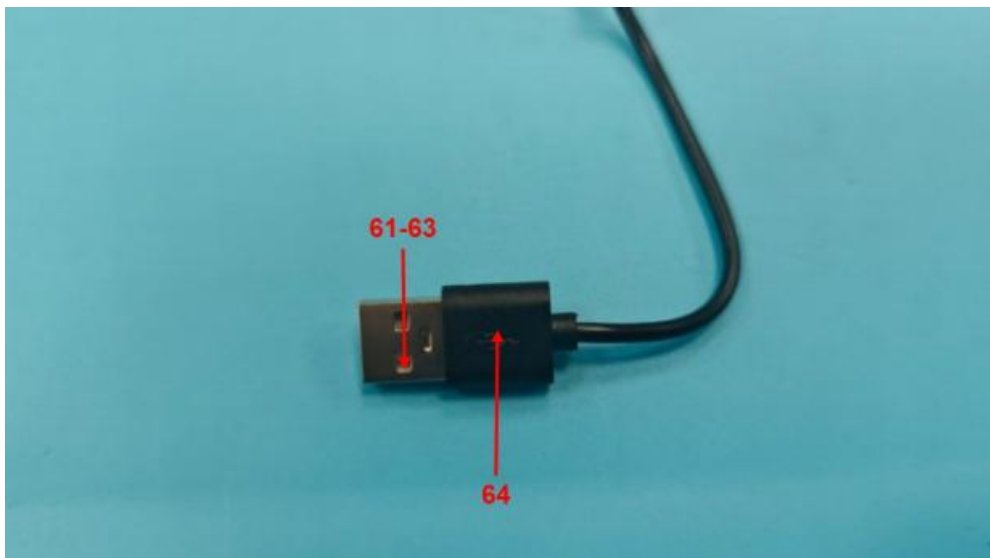
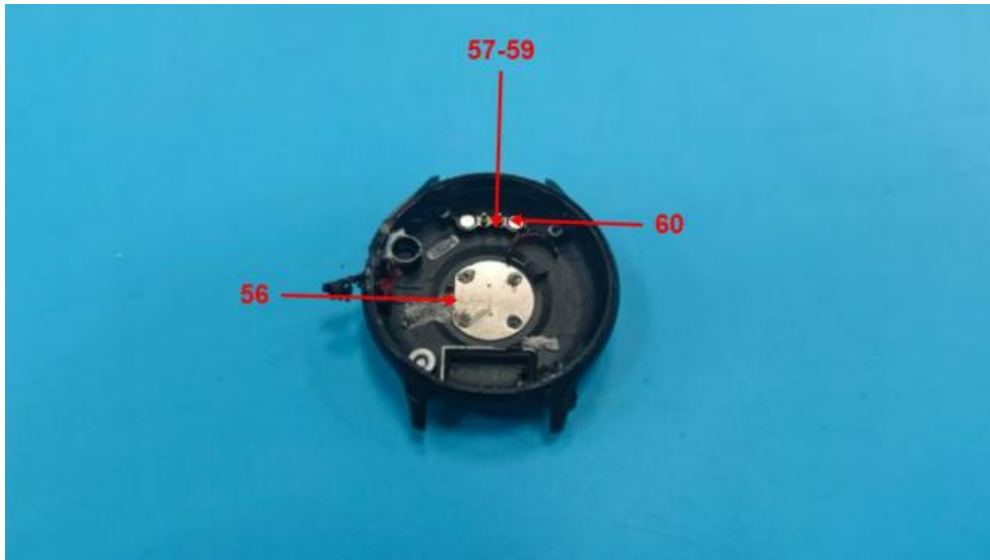
Detailed Split Chart



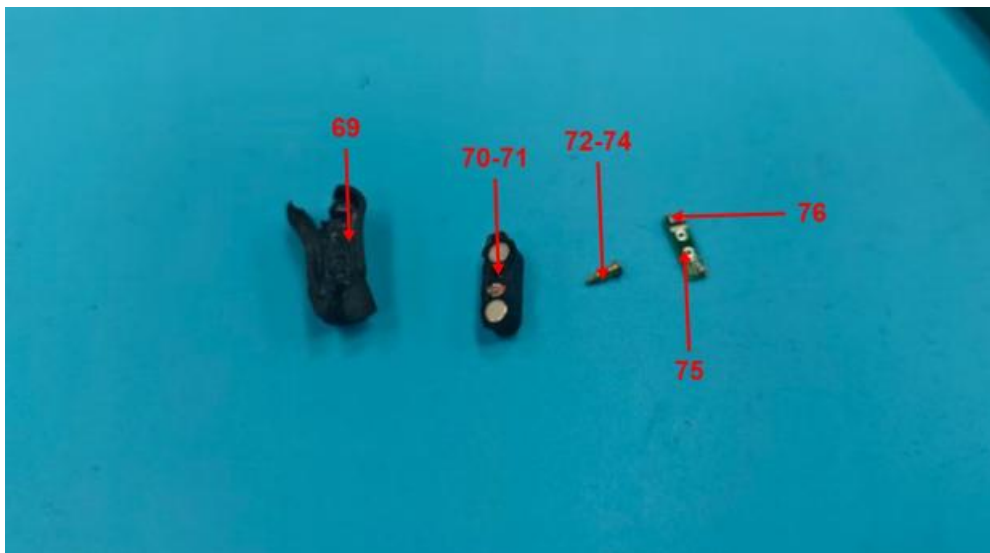
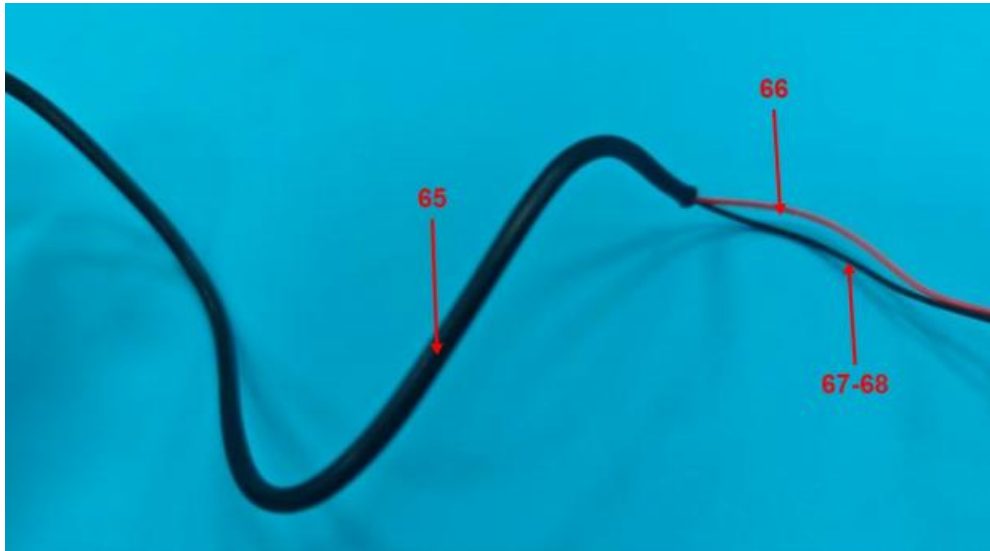
Detailed Split Chart



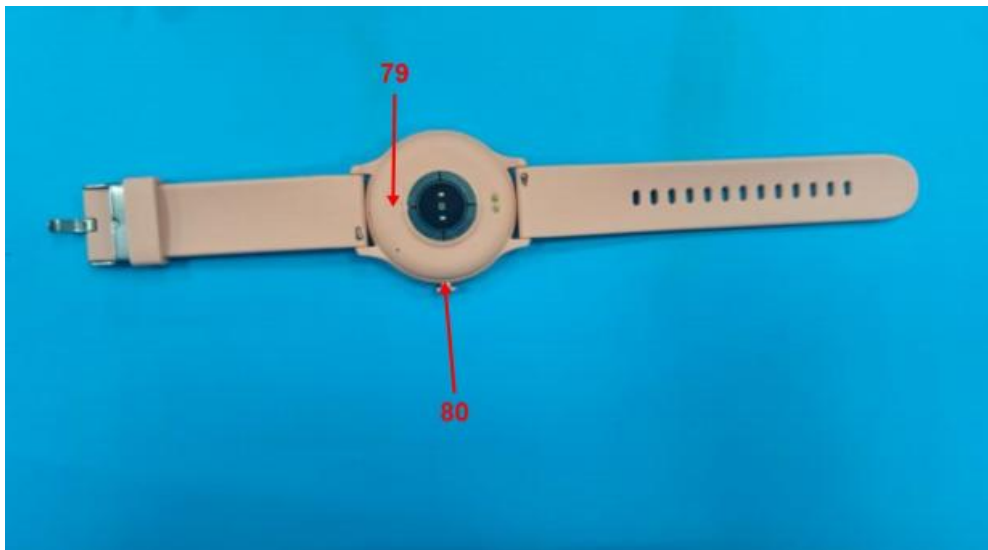
Detailed Split Chart



Detailed Split Chart



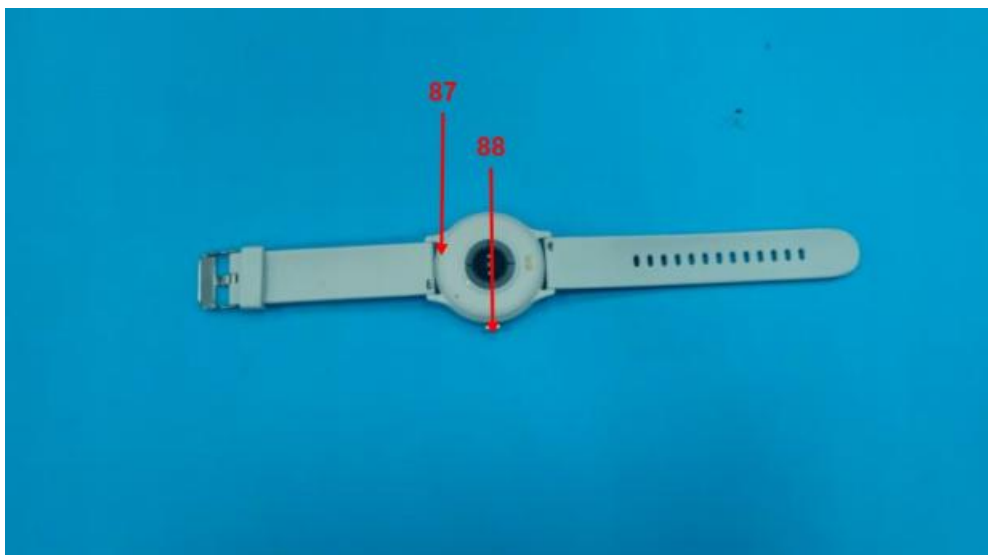
Detailed Split Chart



Detailed Split Chart



Detailed Split Chart



Detailed Split Chart



***** END OF REPORT *****



STATEMENT

1. The test report is invalid without stamp of laboratory.
2. The test report is invalid without signature of person(s) testing and authorizing.
3. The test report is invalid if erased and corrected.
4. The test data and results presented in the report are applicable only to the tested samples.
5. “☆” item to be outside the scope of authorized by CNAS.
6. The report without the "CMA" stamp shall not have a certifying effect on the society.
7. The test report shall not be reproduced except in full, without written approval of the laboratory.
8. If there is any objection to report, the client should inform issuing laboratory within 15 days from the date of receiving test report.
9. The information of the samples submitted for testing on commission is provided by the client. This laboratory assumes no responsibility for the authenticity and completeness of such information.

