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# **TEST REPORT**

Customer	Client	Mid Ocean Brands B.V.
information	Address	7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong
	Name of sample	Wireless charger
	Test Model No.	MO9446, MO9785, MO9996
Sample information	Sample difference:	The samples in the report are only different in appearance color, the material and internal structure are exactly the same, so only the white sample of the main model MO9446 is tested.
iiioiiiatioii	Trade mark	N/A
	Lot number	
	Manufacturer	114628
(Si)	Sample received	June 18, 2025
	Testing date	June 18, 2025 to July 01, 2025
	Test sort	Commission Test
	Requested/item	RoHS directive 2011/65/EU Annex II amending Annex(EU)2015/863.  (1) Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content.  (2) Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibuty phthalate(DBP), Disobutyl phthalate(DIBP) Content.
Test	Standard/ Foundation	(1)With reference to IEC 62321-3-1:2013, scanning by XRF Spectroscopy Chemical test method: With reference to IEC 62321-5:2013, determination of Cadmium, lead by ICF With reference to IEC 62321-4:2013+AMD1:2017, determination of Mercury by ICP With reference to IEC 62321-7-2:2017&IEC 62321-7-1:2015, determination of Hexavalent Chromium by Colorimetric method. With reference to IEC 62321-6:2015 determination of PBBs and PBDEs by GC-MS (2)With reference to IEC 62321-8:2017, and analysis was performed by GC-MS.
	Conclusion	<ul><li>(1)The tested sample complied with RoHS directive (2011/65/EU).</li><li>(2)The tested part of submitted sample complied with directive (EU)2015/86.</li></ul>
Remark		

Tested By:

Checked By:

Approved By:

Date:

2025/07/01

Date:

2025/07/01

Date:

SHENZHEN SIT TESTING TECHNOLOGY CO LTD.

Room 401, A2 Building, The 2rd Industrial Zone of ZhuAo, GuShu Village, XiXiang Town, BaoAn District, ShenZhen Hotline:400-6633-940 Tel: +86-755-29173399 FAX: +86-755-29179933 http://www.sit-cert.com



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No.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of Testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	XXII. 1 1 II	Hg	P	N.D.	<1000	P
1)	White plastic shell	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	DI 111	Hg	P	N.D.	<1000	P
2	Black ink	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	Р	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
3	Double faced adhesive tape	Нд	Р	N.D.	<1000	P
		Pb	Р	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	(si)	Hg	P	N.D.	<1000	P
4	Black soft plastic ring	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	Р	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
5	Black foam sheet	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
5)		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
6	Black screw	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/



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No.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of Testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
2		Hg	P	N.D.	<1000	P
7	Black board	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
8	Wire skin	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
	(3)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
9	Solder	Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	/	15	<1000	9
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
10	Copper wire	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	1	<1000	/
	(-(1)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
11	Golden plastic tape	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
5)		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
12	Transparent glue	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P



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No.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of Testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Нg	P	N.D.	<1000	P
13	Transparent plastic stick	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
	(i)	Cr(VI)	P	N.D.	<1000	P
	Tion 1	Hg	P	N.D.	<1000	P
14	USB metal port	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
	(::5)	PBDEs		/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
1.5	Black plastic port	Нд	P	N.D.	<1000	P
15		Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
1.		Hg	PS	N.D.	<1000	P
16	Silver metal pin	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	1	<1000	
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
1.7	T	Hg	P	N.D.	<1000	P
17	Feet solder	Pb	P	N.D.	<1000	P
		PBBs	1	/	<1000	/
5)		PBDEs	1	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
10	Constitution of the consti	Hg	P	N.D.	<1000	P
18	Grey inductance	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	Р



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No.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of Testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
3		Hg	P	N.D.	<1000	P
19	Black chip resistor	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
20		Hg	P	N.D.	<1000	P
20	Grey inductance	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
21	Brown inductance	Hg	P	N.D.	<1000	Р
		Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	Р
22	Solder	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	1	<1000	
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
23	White LED bead	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
5)		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
_		Hg	P	N.D.	<1000	P
24	Black inductance	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P

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	1	est Keport N	0 51125001	1/100403KK		rage. 0 or
			Results of	Results of	Chemical	Conclusion
No.	COMPONENTS	Item	EDXRF	Testing	testing limit	(P/F)
	(::)		(P/F/D)	(mg/kg)	(mg/kg)	
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
25	Black inductance	Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
2)		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
26	Grey inductance	Hg	P	N.D.	<1000	P
20	Grey inductance	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
.(1)	(517)	Cd	P	N.D.	<100	P
3)		Cr(VI)	P	N.D.	<1000	P
2.7	a 11	Нд	P	N.D.	<1000	P
27	Solder	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	1
		PBDEs	/	19	<1000	7
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Нд	P	N.D.	<1000	P
28	IC	Pb	P	N.D.	<1000	Р
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
29	IC feet	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/
5)	6	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
30	Blue PCB board	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P



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No.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of Testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
31	Feet solder	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
32	Black foam sheet	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
33	White plastic data wire skin	Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	(si)	Hg	P	N.D.	<1000	P
34	White plastic head	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
	(3.5)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
2.5		Hg	P	N.D.	<1000	P
35	Green plastic wire skin	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
3)		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
26	77/1	Hg	P	N.D.	<1000	P
36	White plastic wire skin	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P



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No.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of Testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
		Cd	P	N.D.	<100	P
		Cr(VI)	Р	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
37	Pink plastic wire skin	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
20		Hg	P	N.D.	<1000	P
38	Black plastic wire skin	Pb	P	N.D.	<1000	P
		PBBs	Р	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
20	Copper wire	Hg	P	N.D.	<1000	P
39		Pb	P	N.D.	<1000	P
		PBBs	/	19	<1000	9
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
7		Cr(VI)	P	N.D.	<1000	P
10	Han (Sill)	Hg	P S	N.D.	<1000	P
40	USB metal port	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	1	<1000	1
	(3)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
41	XXII '4 1 4'	Hg	P	N.D.	<1000	P
41	White plastic port	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
5)	(3)	PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
42	Cil-a	Hg	P	N.D.	<1000	P
42	Silver metal pin	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/



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No.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of Testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
43	Feet solder	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
44	Small USB metal port	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs		/	<1000	/
	6.	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
45	Silver metal feet	Pb	P	N.D.	<1000	P
		PBBs	/		<1000	
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
46	Silver metal pin	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
47	Black plastic port	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
5)		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
48	Solder	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/		<1000	/



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No.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of Testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
10	T	Hg	P	N.D.	<1000	P
49	Black plastic shell	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
50	Black rubber ring	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
	9	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
51	White ink	Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
7		Cr(VI)	P	N.D.	<1000	P
	Wheat colour plastic	Hg	P S	N.D.	<1000	P
52	shell	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
	(%)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
53	Grey rubber shell	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
2		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
_		Hg	P	N.D.	<1000	P
54	Grey ink	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P



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#### 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.

3.

Element	Polymer	Metal	Composite Materials
Cd	$P \le 70-3\sigma \le D \le 130+3\sigma \le F$	$P \le 70-3\sigma \le D \le 130+3\sigma \le F$	$P \le 50-3\sigma < D < 150+3\sigma \le F$
Pb	$P \le 700-3\sigma \le D \le 1300+3\sigma \le F$	P≤700-3σ <d<1300+3σ≤f< td=""><td>P≤500-3σ<d<1500+3σ≤f< td=""></d<1500+3σ≤f<></td></d<1300+3σ≤f<>	P≤500-3σ <d<1500+3σ≤f< td=""></d<1500+3σ≤f<>
Hg	P≤700-3σ <d<1300+3σ≤f< td=""><td>P≤700-3σ<d<1300+3σ≤f< td=""><td>P≤500-3σ<d<1500+3σ≤f< td=""></d<1500+3σ≤f<></td></d<1300+3σ≤f<></td></d<1300+3σ≤f<>	P≤700-3σ <d<1300+3σ≤f< td=""><td>P≤500-3σ<d<1500+3σ≤f< td=""></d<1500+3σ≤f<></td></d<1300+3σ≤f<>	P≤500-3σ <d<1500+3σ≤f< td=""></d<1500+3σ≤f<>
Br	P≤300-3σ <d< td=""><td>5) (5)</td><td>P≤250-3σ<d< td=""></d<></td></d<>	5) (5)	P≤250-3σ <d< td=""></d<>
Cr	P≤700-3σ <d< td=""><td>P≤700-3σ<d< td=""><td>P≤500-3σ<d< td=""></d<></td></d<></td></d<>	P≤700-3σ <d< td=""><td>P≤500-3σ<d< td=""></d<></td></d<>	P≤500-3σ <d< td=""></d<>

P = PASS; F = FAIL; D = DETECTED;

- 4. mg/kg = ppm; N.D. = NOT DETECTED (<MDL) Pb, Cd, Hg,Cr(VI): 2mg/kg; PBBs, PBDEs: 5mg/kg
- 5. With reference to IEC 62321:-7-1:2015, result on Cr (VI) for metal sample is shown as Positive/Negative. Positive = Presence of Cr(VI) coating, Negative = Absence of Cr(VI) coating
- 6 \*According to Annex III of European Council Directive 2011/65/EU, Lead in copper alloy containing up to 4% lead by weight.
- \*\*According to Annex III of European Council Directive 2011/65/EU, Lead in steel alloy containing up to 0.35% lead by weight.
- 8 #According to Annex III of European Council Directive 2011/65/EU, Cadmium and its compounds in electrical contacts is exempted.



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# (3) DEHP, BBP, DBP, DIBP

SAMPLE No.		SAMPLE CONCENTRATION (mg/kg)					REQUIRED LIMIT
TTEN	1	2	3	4	5	(mg/kg)	(mg/kg)
Di-2-ethylhexyl phthalate (DEHP)	ND	ND	ND	ND	ND	30	1000
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	30	1000
Benzylbutyl phthalate (BBP)	ND	ND	ND	ND	ND	30	1000
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	30	1000

SAMPLE No.		SAMPLE		MDL	REQUIRED LIMIT		
ITEM	8	11	12	13	15	(mg/kg)	(mg/kg)
Di-2-ethylhexyl phthalate (DEHP)	ND	ND	ND	ND	ND	30	1000
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	30	1000
Benzylbutyl phthalate (BBP)	ND	ND	ND	ND	ND	30	1000
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	30	1000

SAMPLE No.	j)	SAMPLE	MDL	REQUIRED LIMIT			
ITEM	18	19	20	21	23	(mg/kg)	(mg/kg)
Di-2-ethylhexyl phthalate (DEHP)	ND	ND	ND	ND	ND	30	1000
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	30	1000
Benzylbutyl phthalate (BBP)	ND	ND	ND	ND	ND	30	1000
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	30	1000



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SAMPLE No.	24	SAMPLE 25	CONCENT (mg/kg)	TRATION 28	30	MDL (mg/kg)	REQUIRED LIMIT (mg/kg)
D: 2 d II 1 1 d 1 d	24	23	20	26	30		(IIIg/Kg)
Di-2-ethylhexyl phthalate (DEHP)	ND	ND	ND	ND	ND	30	1000
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	30	1000
Benzylbutyl phthalate (BBP)	ND	ND	ND	ND	ND	30	1000
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	30	1000

SAMPLE No.		SAMPLE	MDL	REQUIRED			
ITEM			(mg/kg)				LIMIT
TIEW	32	33	34	35	36	(mg/kg)	(mg/kg)
Di-2-ethylhexyl phthalate (DEHP)	ND	ND	ND	ND	ND	30	1000
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	30	1000
Benzylbutyl phthalate (BBP)	ND	ND	ND	ND	ND	30	1000
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	30	1000

SAMPLE No.	SA	AMPLE CON (mg	MDL	REQUIRED LIMIT		
ITEM	37	38	41	47	(mg/kg)	(mg/kg)
Di-2-ethylhexyl phthalate (DEHP)	ND	ND	ND	ND	30	1000
Dibutyl phthalate (DBP)	ND	ND	ND	ND	30	1000
Benzylbutyl phthalate (BBP)	ND	ND	ND	ND	30	1000
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	30	1000



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SAMPLE No.		SAMPLE CONCENTRATION (mg/kg)					MDL (mg/kg)	REQUIRED LIMIT
TIEW	49	50	51	52	53	54	(mg/kg)	(mg/kg)
Di-2-ethylhexyl phthalate (DEHP)	ND	ND	ND	ND	ND	ND	30	1000
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	ND	30	1000
Benzylbutyl phthalate (BBP)	ND	ND	ND	ND	ND	ND	30	1000
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	ND	30	1000

Note: MDL = Method Detection Limit, ND=not detected (<Method Detection Limit).



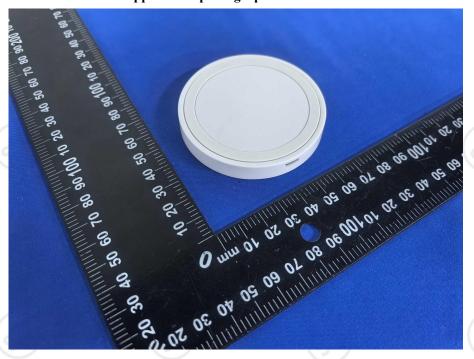


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# Sample photo

### Appearance photograph of EUT



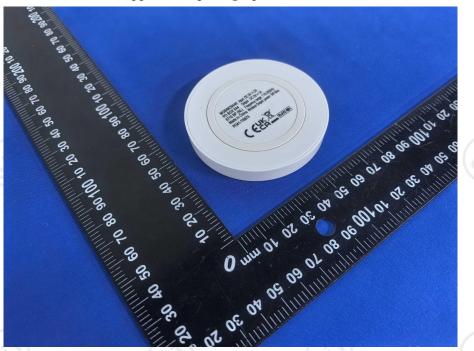


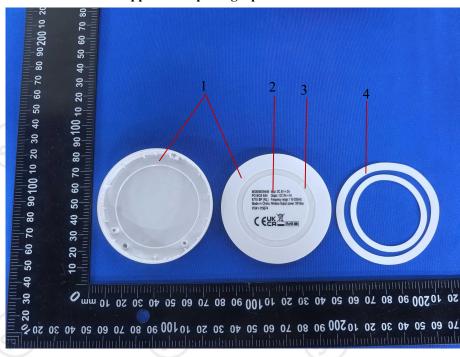


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# Sample photo

### Appearance photograph of EUT



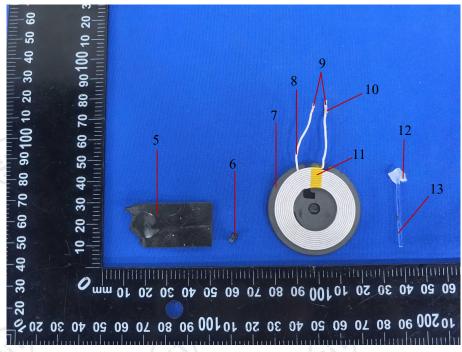


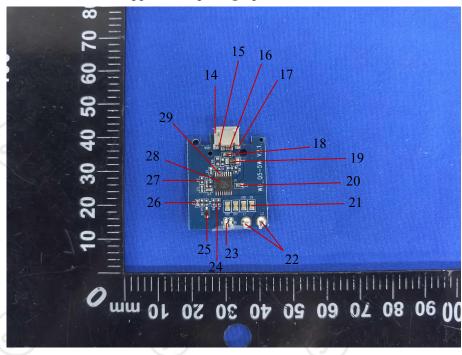


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# Sample photo

# Appearance photograph of EUT



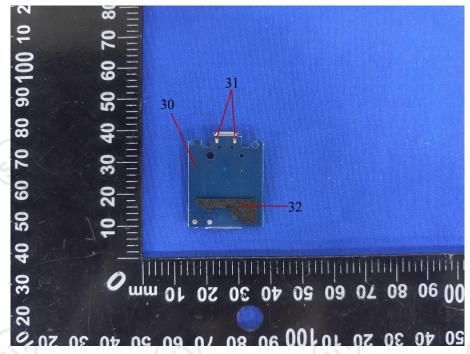




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# Sample photo

### Appearance photograph of EUT



# Appearance photograph of data wire

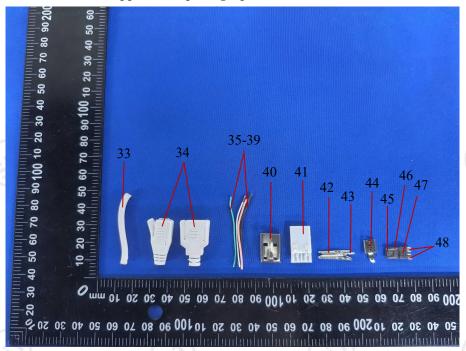




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# Sample photo

#### Appearance photograph of data wire



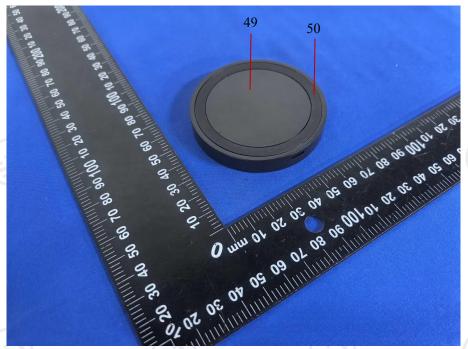


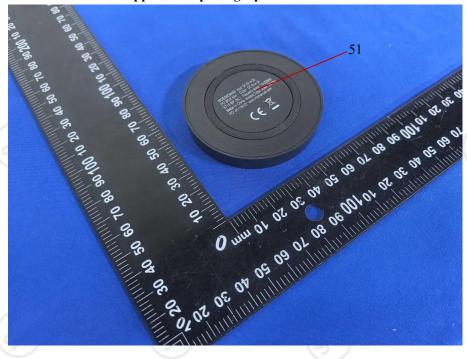


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# Sample photo

# Appearance photograph of EUT







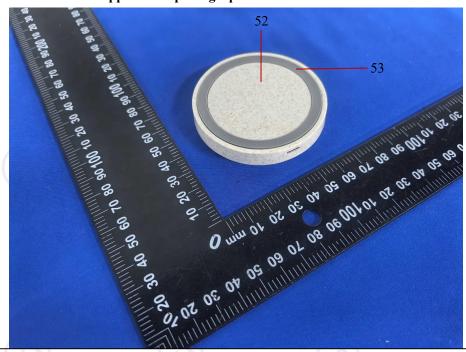
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# Sample photo

### Appearance photograph of model: MO9996

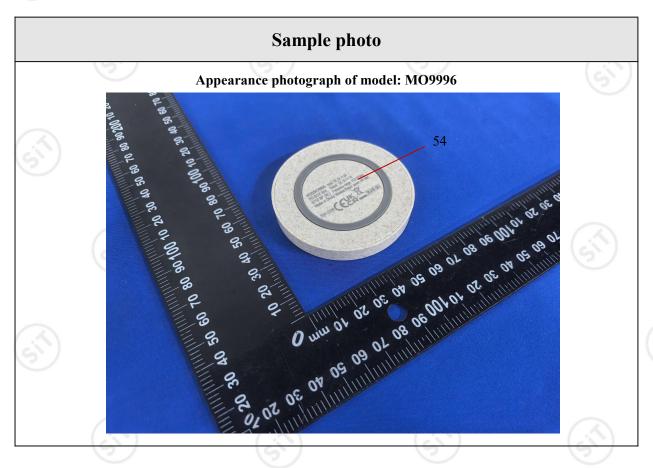


#### Appearance photograph of model: MO9996





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List of apparatus

No.	Name	Model	Calibration Valid Date	USE(√)
51	ICP-OES	VISTA-MPX	2025/12/28	√
2	GC-MS	5975i	2025/12/16	<b>√</b>
3	UV-Vis	Lambda 25	2025/12/16	√
4	XRF	EDX3000B	2025/12/22	√

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

#### **Statement:**

- 1. The test report is considered invalidated without approval signature.
- 2. The result(s) shown in this report refer only to the sample(s) tested.
- 3. Without written approval of SIT, this report can't be reproduced except in full.
- 4. The sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which SIT hasn't verified.





# TEST REPORT

Customer	Client	Mid Ocean Brands B.V.
information	Address	7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong
	Name of sample	EU Plug
	Test Model No.	MO8827, MO9785
Sample information	Trade mark	N/A
IIIIOIIIIatioii	Lot number	(si) (si)
	Manufacturer	114628
	Sample received	March 14, 2025
	Testing date	March 14, 2025 to March 25, 2025
	Test sort	Commission Test
Test	Requested/item	(1) RoHS directive 2011/65/EU Annex II amending Annex(EU)2015/863. Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content. (2) Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate(DBP), Disobutyl phthalate(DIBP) Content.
	Standard/ Foundation	(1)With reference to IEC 62321-3-1:2013, scanning by XRF Spectroscopy Chemical test method: With reference to IEC 62321-5:2013, determination of Cadmium, lead by ICP With reference to IEC 62321-4:2013+AMD1:2017, determination of Mercury by ICP With reference to IEC 62321-7-2:2017&IEC 62321-7-1:2015, determination of Hexavalent Chromium by Colorimetric method. With reference to IEC 62321-6:2015 determination of PBBs and PBDEs by GC-MS (2)With reference to IEC 62321-8:2017, and analysis was performed by GC-MS.
	Conclusion	(1)The tested sample complied with RoHS directive (2011/65/EU). (2)The tested part of submitted sample complied with directive (EU)2015/863
Remark		

Tested By:

Date: 2025/03/25

Checked By:

Date: 2025/03/25

Approved By

Date:

2025/03/25



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Test result:	1. Structural parts

No.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of Testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
1	Black plastic shell	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
2	White ink	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
	3	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
3	Silver metal plug	Pb	P	N.D.		P
		PBBs	/	/	<1000 <1000	9
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
4	Black plastic stick	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
	(:3)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
5	Solder	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
5)		PBDEs		/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
6	Black chip resistor	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P



# No. SIT250314160301RR

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No.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of Testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	ati (	Hg	P	N.D.	<1000	P
7	Silver capacitor	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	D 11.1	Нд	P	N.D.	<1000	P
8	8 Red ink	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
(1)		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
9	Blue capacitor	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000 <1000 <1000	P
		PBDEs	P	N.D.		P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
5)		Hg	P	N.D.	<1000	P
10	Black chip resistor	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
	(61)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
11	Silver metal stick	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
5		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
12	Black plastic capacitor	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P



# No. SIT250314160301RR

	Test Report		No. SIT250	0314160301RF	R Pa	age: 4 of 14
No.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of Testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	au (i	Hg	P	N.D.	<1000	P
13	Silver capacitor	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
	(51)	Cr(VI)	P	N.D.	<1000	P
1.4	D1 1 11 1:	Hg	P	N.D.	<1000	P
14	Black rubber skin	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
.(1)	(31)	PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
15	Black capacitor	Pb	P	N.D.	<1000	P
	(3)	PBBs	/		<1000	
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	(6)	Hg	P	N.D.	<1000	P
16	Silver metal frame	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/		<1000	
	(61)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
17	IC IC	Pb	P	N.D.	<1000	P
	(حزم)	PBBs	P	N.D.	<1000	P
2		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
1-		Hg	P	N.D.	<1000	P
18	IC feet	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/

# SHENZHEN SIT TESTING TECHNOLOGY CO LTD.

**PBDEs** 

< 1000

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	Test Report		NO. 51125	U31416U3U1KI	K r	age: 5 of 14
No.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of Testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
	(9)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	Р
19	Silver metal wire	Pb	P	N.D.	<1000	P
5)	(51)	PBBs	P	/	<1000	/
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
• •	(51)	Hg	P	N.D.	<1000	P
20	Black rubber skin	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
(1)	(61)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	~	Нд	P	N.D.	<1000	P
21	Grey inductance	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Нд	P	N.D.	<1000	P
22	Solder	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
	(si)	Cr(VI)	P	N.D.	<1000	P
22	DI 1 1 1 1	Hg	P	N.D.	<1000	P
23	Black inductance	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
(۱۱)	(si)	PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
24	Dlook	Hg	P	N.D.	<1000	P
24	Black metal frame	Pb	P	N.D.	<1000	P
	(3)	PBBs	/	12	<1000	/
		PBDEs	/	/	<1000	/

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	Test Report		R Pa	Page: 6 of 14		
No.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of Testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
	9	Cd	Р	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
25	Yellow plastic tape	Pb	P	N.D.	<1000	P
5)	(5)	PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	Р	N.D.	<1000	P
26	Transparent plastic wire	Нд	P	N.D.	<1000	P
26	skin	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
(()	(51)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
27		Hg	P	N.D.	<1000	P
27	Copper wire	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	
		PBDEs	/	/	<1000	1
		Cd	P	N.D.	<100	P
		Cr(VI)	Р	N.D.	<1000	P
20	D1114	Hg	P	N.D.	<1000	P
28	Black plastic wire skin	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
	(51)	Cr(VI)	P	N.D.	<1000	P
29	Black inductance	Hg	P	N.D.	<1000	P
29	Diack inductance	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
((از	(si)	PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
30	Solder	Hg	P	N.D.	<1000	P
30	Soluci	Pb	P	N.D.	<1000	P
		PBBs	/		<1000	1
		PBDEs	/	/	<1000	/



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No.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of Testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
3		Hg	P	N.D.	<1000	P
31	Feet solder	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
32	Green PCB board	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
33	USB feet solder	Pb	P	N.D.	<1000	P
(		PBBs	/	16	<1000	9
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
34	USB metal port	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/		<1000	
	(5:1)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
35	White plastic port	Pb	P	N.D.	<1000	P
.(1)		PBBs	P	N.D.	<1000	P
3		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
36	Silver metal pin	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/



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No.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of Testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
	Feet solder	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
37		Hg	P	N.D.	<1000	P
537		Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/

#### 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.

3.

Element	Polymer	Metal	Composite Materials
Cd	$P \le 70-3\sigma \le D \le 130+3\sigma \le F$	P≤70-3σ <d<130+3σ≤f< td=""><td><math>P \le 50-3\sigma &lt; D &lt; 150+3\sigma \le F</math></td></d<130+3σ≤f<>	$P \le 50-3\sigma < D < 150+3\sigma \le F$
Pb	$P \le 700-3\sigma \le D \le 1300+3\sigma \le F$	P≤700-3σ <d<1300+3σ≤f< td=""><td>P≤500-3σ<d<1500+3σ≤f< td=""></d<1500+3σ≤f<></td></d<1300+3σ≤f<>	P≤500-3σ <d<1500+3σ≤f< td=""></d<1500+3σ≤f<>
Hg	P≤700-3σ <d<1300+3σ≤f< td=""><td>P≤700-3σ<d<1300+3σ≤f< td=""><td>P≤500-3σ<d<1500+3σ≤f< td=""></d<1500+3σ≤f<></td></d<1300+3σ≤f<></td></d<1300+3σ≤f<>	P≤700-3σ <d<1300+3σ≤f< td=""><td>P≤500-3σ<d<1500+3σ≤f< td=""></d<1500+3σ≤f<></td></d<1300+3σ≤f<>	P≤500-3σ <d<1500+3σ≤f< td=""></d<1500+3σ≤f<>
Br	P≤300-3σ <d< td=""><td>2) C</td><td>P≤250-3σ<d< td=""></d<></td></d<>	2) C	P≤250-3σ <d< td=""></d<>
Cr	P≤700-3σ <d< td=""><td>P≤700-3σ<d< td=""><td>P≤500-3σ<d< td=""></d<></td></d<></td></d<>	P≤700-3σ <d< td=""><td>P≤500-3σ<d< td=""></d<></td></d<>	P≤500-3σ <d< td=""></d<>

P = PASS; F = FAIL; D = DETECTED;

- 4. mg/kg = ppm; N.D. = NOT DETECTED (<MDL) Pb, Cd, Hg,Cr(VI): 2mg/kg; PBBs, PBDEs: 5mg/kg
- 5. With reference to IEC 62321:-7-1:2015, result on Cr (VI) for metal sample is shown as Positive/Negative.

  Positive = Presence of Cr(VI) coating, Negative = Absence of Cr(VI) coating
- \*According to Annex III of European Council Directive 2011/65/EU, Lead in copper alloy containing up to 4% lead by weight.
- \*\*According to Annex III of European Council Directive 2011/65/EU, Lead in steel alloy containing up to 0.35% lead by weight.
- 8 #According to Annex III of European Council Directive 2011/65/EU, Cadmium and its compounds in electrical contacts is exempted.



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# (1) DEHP, BBP, DBP, DIBP

SAMPLE No.		SAMPLE	CONCEN (mg/kg)	ΓRATION	)	MDL (mg/kg)	REQUIRED LIMIT
TIEM!	1	2	4	6	8	(mg/ng)	(mg/kg)
Di-2-ethylhexyl phthalate (DEHP)	ND	ND	ND	ND	ND	30	1000
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	30	1000
Benzylbutyl phthalate (BBP)	ND	ND	ND	ND	ND	30	1000
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	30	1000

SAMPLE No.		SAMPLE	MDL	REQUIRED LIMIT			
ITEM	9	10	12	14	17	(mg/kg)	(mg/kg)
Di-2-ethylhexyl phthalate (DEHP)	ND	ND	ND	ND	ND	30	1000
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	30	1000
Benzylbutyl phthalate (BBP)	ND	ND	ND	ND	ND	30	1000
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	30	1000

SAMPLE No.	SAMPLE CONCENTRATION					MDL	REQUIRED
ITEM SAWITEE NO.		(mg/kg)					LIMIT
TIEW	20	21	23	25	26	(mg/kg)	(mg/kg)
Di-2-ethylhexyl phthalate (DEHP)	ND	ND	ND	ND	ND	30	1000
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	30	1000
Benzylbutyl phthalate (BBP)	ND	ND	ND	ND	ND	30	1000
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	30	1000



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SAMPLE No.	S	AMPLE CON (mg	MDL	REQUIRED LIMIT		
ITEM	28	29	32	35	(mg/kg)	(mg/kg)
Di-2-ethylhexyl phthalate (DEHP)	ND	ND	ND	ND	30	1000
Dibutyl phthalate (DBP)	ND	ND (	ND	ND	30	1000
Benzylbutyl phthalate (BBP)	ND	ND	ND	ND	30	1000
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	30	1000

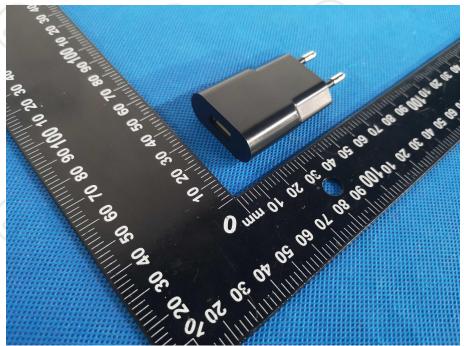
Note: MDL = Method Detection Limit, ND=not detected (<Method Detection Limit).



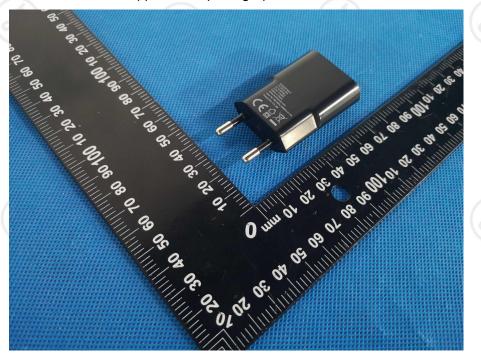








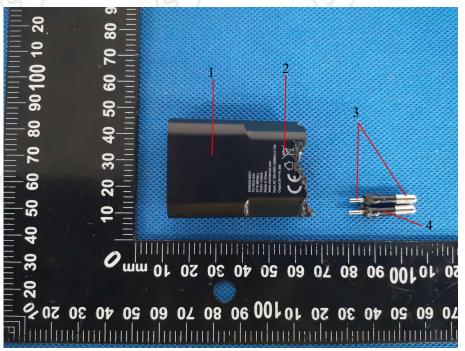
Appearance photograph of EUT

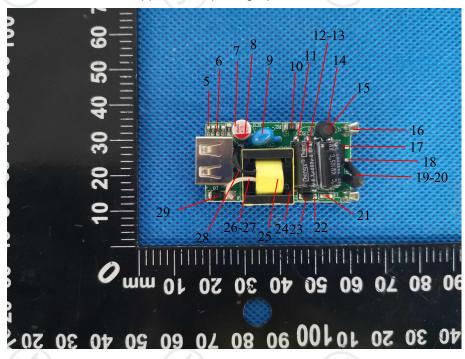


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# Appearance photograph of EUT

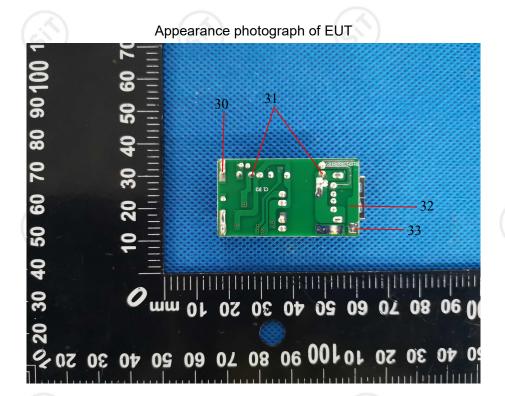




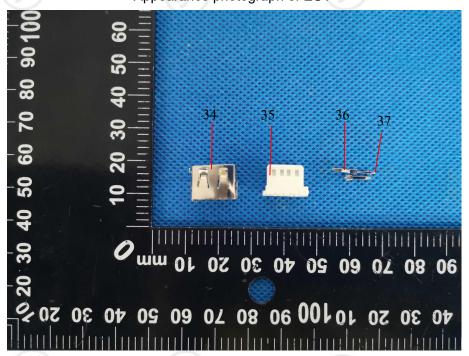


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Appearance photograph of EUT





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List of apparatus

No.	Name	Model	Calibration Valid Date	USE(√)
1	ICP-OES	VISTA-MPX	2025/09/28	√
2	GC-MS	5975i	2025/09/16	√
3	UV-Vis	Lambda 25	2025/09/16	√ √
4	XRF	EDX3000B	2025/09/22	<b>√</b>

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

#### **Statement:**

- 1. The test report is considered invalidated without approval signature.
- 2. The result(s) shown in this report refer only to the sample(s) tested.
- 3. Without written approval of SIT, this report can't be reproduced except in full.
- 4. The sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which SIT hasn't verified.