



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					
	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.					
Test information	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

SHENZHEN SIT TESTING TECHNOLOGY CO LTD.



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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
	D1114'111	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
	7771 to 1 1	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
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	Silver metal plug	Hg	P	N.D.	<1000	P
3		Pb	P	N.D.	<1000	P
		PBBs	/		<1000	7
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	(51)	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
	(61)	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	/
3		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	(1)	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



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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	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
	Blue capacitor	Hg	P	N.D.	<1000	P
9		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
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



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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		
12	G:1	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	DI 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		
	(51)	PBDEs	P	N.D.	<1000	P		
		Cd	P	N.D.	<100	P		
		Cr(VI)	P	N.D.	<1000	P		
1.5	Black capacitor	Hg	P	N.D.	<1000	P		
15		Pb	P	N.D.	<1000	P		
		PBBs	/		<1000			
	•	PBDEs	/	/	<1000	/		
		Cd	P	N.D.	<100	P		
		Cr(VI)	P	N.D.	<1000	P		
6/	G'1 4.1.C	Hg	P	N.D.	<1000	P		
16	Silver metal frame	Pb	P	N.D.	<1000	P		
		PBBs	/	/	<1000	/		
		PBDEs	/		<1000			
	(Si)	Cd	P	N.D.	<100	P		
		Cr(VI)	P	N.D.	<1000	P		
17	IC	Hg	P	N.D.	<1000	P		
17	IC	Pb	P	N.D.	<1000	P		
(('')	(61)	PBBs	P	N.D.	<1000	P		
9		PBDEs	P	N.D.	<1000	P		
		Cd	P	N.D.	<100	P		
		Cr(VI)	P	N.D.	<1000	P		
10	ICE	Hg	P	N.D.	<1000	P		
18	IC feet	Pb	P	N.D.	<1000	P		
		PBBs	/	/	<1000	/		

PBDEs

<1000

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	est Report		NO. 51125	U31416U3U1KI	C P	age: 5 01 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)	Р	N.D.	<1000	P
	~	Hg	P	N.D.	<1000	P
19	Silver metal wire	Pb	P	N.D.	<1000	P
5)	(51)	PBBs	1	/	<1000	/
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	Р	N.D.	<1000	P
	(51)	Hg	P	N.D.	<1000	P
20	Black rubber skin	Pb	Р	N.D.	<1000	P
		PBBs	Р	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
21	Grey inductance	Pb	P	N.D.	<1000	P
		PBBs	Р	N.D.	<1000	P
	(9)	PBDEs	Р	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	Р	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
22	Solder	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
	(51)	Cr(VI)	P	N.D.	<1000	P
22	DI 111	Hg	P	N.D.	<1000	P
23	Black inductance	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
(۱۱)	(sil)	PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	D1 1 . 1 c	Нд	P	N.D.	<1000	P
24	Black metal frame	Pb	P	N.D.	<1000	P
		PBBs	/	19	<1000	7
		PBDEs	/	/	<1000	/

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	Test Report	No. SIT250314160301RR Page					
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)	P	N.D.	<1000	P	
26	Transparent plastic wire	Hg	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
		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
	a papi	Нд	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
	USB feet solder	Нд	P	N.D.	<1000	P
33		Pb	P	N.D.	<1000	P
		PBBs	/		<1000	7
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	(5)	Нд	P	N.D.	<1000	P
34	USB metal port	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/		<1000	
	(617)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
2.5	7771 to 1 of	Нд	P	N.D.	<1000	P
35	White plastic port	Pb	P	N.D.	<1000	P
.(1)		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
26	and the second	Нд	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)
		Cd	P	N.D.	<100	P
	Feet solder	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	Polymer Metal	
Cd	$P \le 70-3\sigma \le D \le 130+3\sigma \le F$	P≤70-3σ <d<130+3σ≤f< td=""><td>$P \le 50-3\sigma < D < 150+3\sigma \le F$</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 SAWIT ELE TO.			(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-ethylhex (DEH	1	ND	ND	ND	ND	30	1000
Dibutyl phtha	late (DBP)	ND	ND (ND	ND	30	1000
Benzylbutyl pht	thalate (BBP)	ND	ND	ND	ND	30	1000
Diisobutyl phth	alate (DIBP)	ND	ND	ND	ND	30	1000

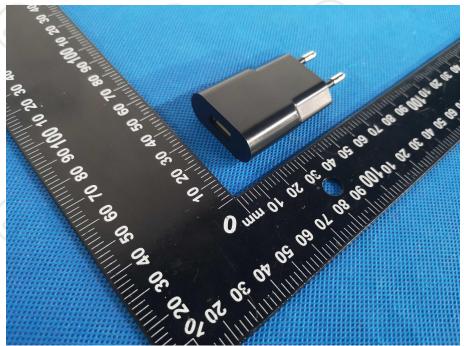
Note: MDL = Method Detection Limit, ND=not detected (<Method Detection Limit).



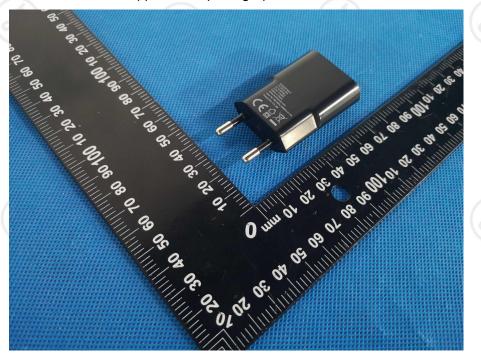








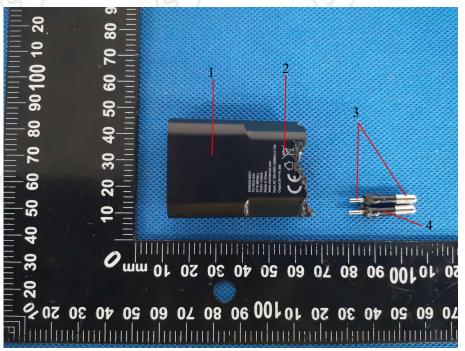
Appearance photograph of EUT

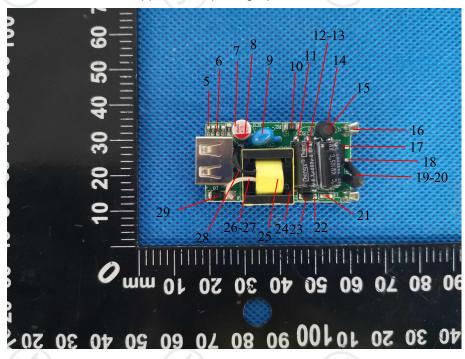


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Appearance photograph of EUT

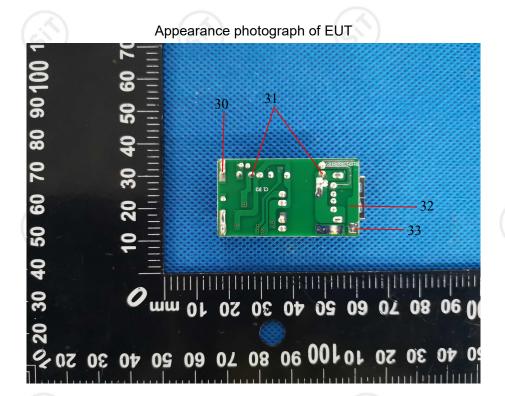




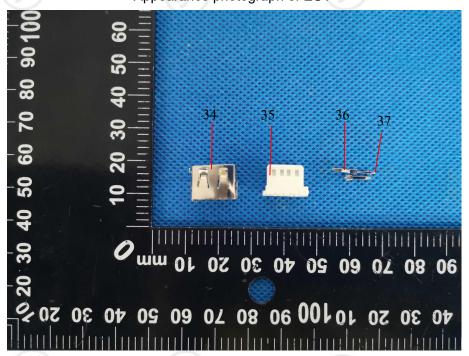


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Appearance photograph of EUT





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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	√

***** 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, Hon Kong					
	Name of sample	Wireless USB Mouse					
Sample	Test Model No.	MO8827					
information	Trade mark	N/A					
	Manufacturer	114628					
	Sample received	March 14, 2025					
	Testing date	March 14, 2025 to March 25, 2025					
	Test sort	Commission Test					
	Requested/item	 (1) 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. 					
Test information	(61)	(1) With reference to IEC 62321-3-1:2013, scanning by XRF Spectroscopy Chemical test method:					
	Standard/ Foundation	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		TING TO					

Tested By:

Date: 2025/03/2:

Checked By:

Date: 2025/03/25

Approved By:

Date:



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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
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	Black plastic 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
	White paper	Hg	P	N.D.	<1000	P
3		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
4	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
5	Black plastic base	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
6	White plastic button	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
7	White plastic base	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
0	D1 1 1 1 1 1 1	Hg	P	N.D.	<1000	P
8	Black plastic button	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
	White plastic plug	Hg	P	N.D.	<1000	P
9		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
	(51)	Hg	P	N.D.	<1000	P
10	Silver metal pin	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/		<1000	
	(517)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
11	Silver metal feet	Pb	P	N.D.	<1000	P
.(1)		PBBs	1	/	<1000	/
3		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	(:(1)	Hg	P	N.D.	<1000	P
12	Black component	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P



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	Test Report		110. 51125	U3141013U2KF	L 1 (age. 4 01 19
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
13	Transparent bead	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
	$(\dot{s}^{(i)})$	Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
14	Silver metal foot	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
(1)	(si)	PBDEs	1	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
15	Yellow 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
	(5)	Hg	P	N.D.	<1000	P
16	Silver metal component	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/		<1000	
	(6i)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
1.7	G'1 + 1 C	Hg	P	N.D.	<1000	P
17	Silver metal frame	Pb	P	N.D.	<1000	P
		PBBs	1	/	< 1000	/
2		PBDEs		/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
1.0		Hg	P	N.D.	<1000	P
18	Black plastic over mold	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
						

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P

N.D.

< 1000

P

PBDEs

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	Test Report					
No.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of Testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
	(6)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
19	Feet solder	Pb	P	N.D.	<1000	P
5)	(51)	PBBs	1	/	<1000	/
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	Р	N.D.	<1000	P
20		Hg	P	N.D.	<1000	P
20	Silver metal frame	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/
(1)	(51)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
2.1		Hg	P	N.D.	<1000	P
21	Green coating	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)	Р	N.D.	<1000	P
	F . 11	Hg	P	N.D.	<1000	P
22	Feet 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
23	Black chip resistor	Hg	P	N.D.	<1000	P
23	Black chip resistor	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
	(61)	PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
24	Coldon	Hg	P	N.D.	<1000	P
24	Solder	Pb	P	N.D.	<1000	P
		PBBs	/	12	<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
		Hg	P	N.D.	<1000	P
25	IC (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
26	IC feet	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
(1).		PBDEs	/	/	<1000	/
	(3)	Cd	P		<1000	P
		Cr(VI)	P	N.D.	<1000	P
	Grey inductance	` ′	P	N.D.	<1000	P
27		Hg Pb	P			
		16		N.D.	<1000	P P
		PBBs	P	N.D.	<1000	
		PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
28	Solder	Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/		<1000	
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
29	Grey inductance	Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
3		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
30	Black chip resistor	Hg	P	N.D.	<1000	P
30	Diack clip tesision	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P

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	Test Report		No. SIT250	0314161302RI	R Pa	Page: 7 of 19	
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	
	- 44	Hg	P	N.D.	<1000	Р	
31	Solder	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	
	(5)	Нд	P	N.D.	<1000	P	
32	Black plastic button	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	
3)		Cr(VI)	P	N.D.	<1000	P	
		Нд	P	N.D.	<1000	P	
33	White plastic plug	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	
		Нд	P	N.D.	<1000	P	
34	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	
2.5	G'1	Hg	P	N.D.	<1000	P	
35	Silver metal wire	Pb	P	N.D.	<1000	P	
		PBBs	1	/	<1000	/	
(1)	(si)	PBDEs	16	/	<1000	/	
		Cd	P	N.D.	<100	P	
		Cr(VI)	P	N.D.	<1000	P	
26	0.11	Hg	P	N.D.	<1000	P	
36	Solder	Pb	P	N.D.	<1000	P	
		PBBs	/	19	<1000	/	
		PBDEs	/	/	<1000	/	



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	Test Report		No. SIT250	0314161302RI	R Pa	nge: 8 of 19
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
37	Silver metal sheet	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
	(si)	Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
38	Silver metal spring	Pb	P	N.D.	<1000	P
		PBBs	1	/	<1000	/
	(6)	PBDEs	1	/	<1000	/
3		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
39	Red plastic wire skin	Pb	P	N.D.	<1000	P
	(6.)	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
6)	(51)	Hg	P	N.D.	<1000	P
40	Transparent plastic block	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
41	Black plastic wheel	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
		Hg	P	N.D.	<1000	P
42	Black plastic USB head	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P

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P

N.D.

< 1000

P

PBDEs



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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
40	Hab	Hg	P	N.D.	<1000	P
43	USB metal port	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
44	0.11	Hg	P	N.D.	<1000	P
44	Solder	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
$\langle 1 \rangle$		PBDEs	1	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
45 Yellow PCB board	Hg	P	N.D.	<1000	P	
	Yellow 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
	(6)	Hg	P	N.D.	<1000	P
46	Feet solder	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/		<1000	
	(si)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
47	Green PCB board	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
46		Hg	P	N.D.	<1000	P
48	Black point	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		DDDE		ND	<1000	_

N.D.

< 1000

PBDEs



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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
40	n	Нд	P	N.D.	<1000	P P P P P P P P P P P P P P P P P P P
49	Black 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
		Hg	P	N.D.	<1000	P
50	Brown 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
51 Golde		Cr(VI)	Р	N.D.	<1000	P
		Hg	P	N.D.	<1000	P P P P P P P P P P P P P P P P P P
	Golden metal strap	Pb	P	N.D.	<1000	P
		PBBs	/		<1000	167
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
52	Silver metal shaft	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/		<1000	
	(51)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
53	Solder	Pb	P	N.D.	<1000	
		PBBs	/	/	<1000	
3)		PBDEs		/	<1000	
		Cd	P	N.D.	<100	
		Cr(VI)	P	N.D.	<1000	
		Hg	P	N.D.	<1000	P
54	White 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.

2	
J	•

Element	Polymer	Metal	Composite Materials
Cd	$P \le 70-3\sigma \le D \le 130+3\sigma \le F$	$P \le 70-3\sigma \le D \le 130+3\sigma \le F$	$P \le 50-3\sigma \le D \le 150+3\sigma \le F$
Pb	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<>
Hg	$P \le 700-3\sigma \le D \le 1300+3\sigma \le F$	P≤700-3σ <d<1300+3σ≤f< td=""><td>$P \le 500-3\sigma \le D \le 1500+3\sigma \le F$</td></d<1300+3σ≤f<>	$P \le 500-3\sigma \le D \le 1500+3\sigma \le F$
Br	P≤300-3σ <d< td=""><td></td><td>P≤250-3σ<d< td=""></d<></td></d<>		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	CONCEN (mg/kg)	ΓRATION		MDL (mg/kg)	REQUIRED LIMIT
TIEW	1	2	3	5	6	(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	7	8	9	12	13	(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.	5(1)	SAMPLE	MDL	REQUIRED					
ITEM STANDED NO.			(mg/kg)				LIMIT		
TIEW	15	18	21	23	25	(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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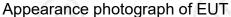
SAMPLE No.	27	SAMPLE 29	CONCEN (mg/kg)	TRATION 32	33	MDL (mg/kg)	REQUIRED LIMIT (mg/kg)
Di-2-ethylhexyl phthalate (DEHP)	ND	ND	ND	ND	ND	30	1000
Dibutyl phthalate (DBP)	ND	ND	ND	ND	ND	30	1000
Benzylbutyl phthalate (BBP)	ND	ND	ND	ND	ND	30	1000
Diisobutyl phthalate (DIBP)	ND	ND	ND	ND	ND	30	1000

SAMPLE No.		SAMPLE	MDL	REQUIRED			
ITEM					LIMIT		
TTEIVI	34	39	40	41	42	(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 (mg/kg)						REQUIRED LIMIT
ITEM	45	47	48	49	50	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).







Appearance photograph of EUT





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Appearance photograph of EUT



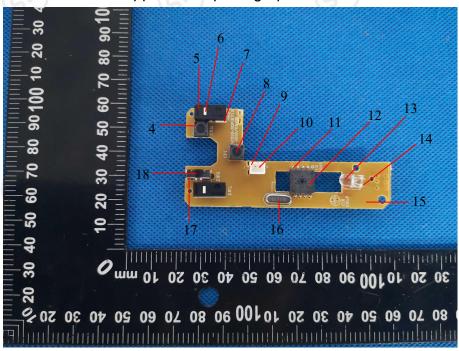


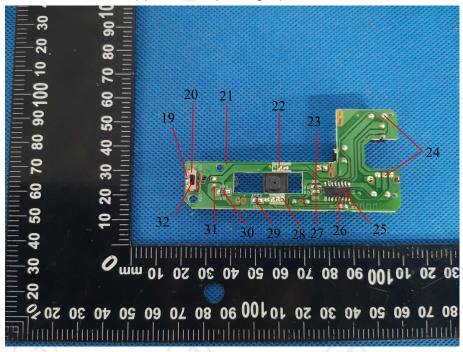


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Appearance photograph of EUT



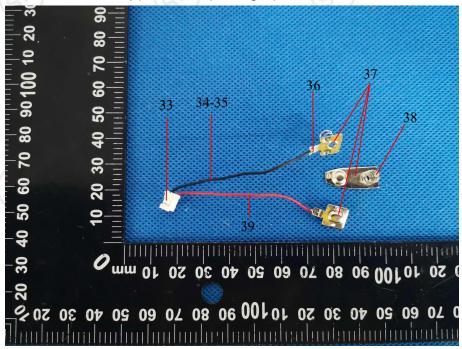


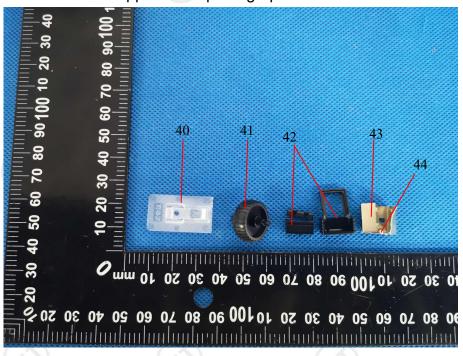


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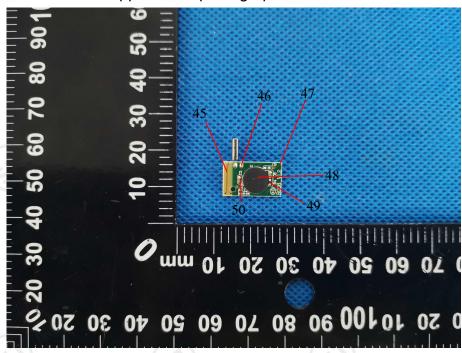


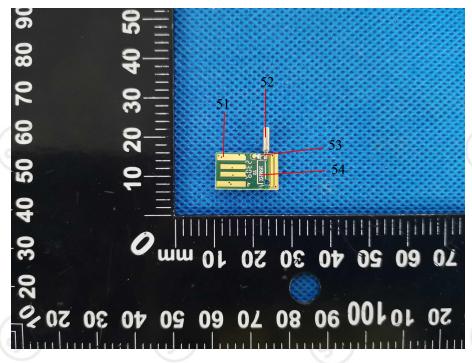














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List of apparatus

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	√

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

Statement:

- 1. The test report is considered invalidated without approval signature.
- The result(s) shown in this report refer only to the sample(s) tested.
- Without written approval of SIT, this report can't be reproduced except in full.
- 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	USB HUB
	Test Model No.	MO8827
Sample information	Trade mark	N/A
IIIIOIIIIatiOii	Lot number	(5 ¹) (5 ¹)
	Manufacturer	114628
	Sample received	March 14, 2025
	Testing date	March 14, 2025 to March 25, 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), Dibutyl phthalate(DBP), Disobutyl phthalate(DIBP) Content.
Test information	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:



Test Report No. SIT250314160306RR

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est resu	ılt: 1. Structural parts		D 1 0	D 1-0	G1 1 1	
No. COMPONENTS		Item	Results of EDXRF	Results of Testing	Chemical testing limit	Conclusion
110.	COMI ONLIVIS	Tien	(P/F/D)	(mg/kg)	(mg/kg)	(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	USB feet	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs		/	<1000	/
	3	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
3	Solder	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	9
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
4	Brown 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
		Hg	P	N.D.	<1000	P
5	Silver metal feet	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 IC	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
			P	N.D.	<1000	P
	Const	Hg	P	N.D.	<1000	P
7	Green coating	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
	XX.1	Hg	P	N.D.	<1000	P
8	White coating	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
(1)		PBDEs	P	N.D.	<1000	P
		Cd	Р	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	~	Нд	P	N.D.	<1000	P
9	Solder	Pb	P	N.D.	<1000	P
		PBBs	/		<1000	7
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	nan (51)	Hg	P	N.D.	<1000	P
10	PCB board	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
	(30)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	Р	N.D.	<1000	P
11	USB metal port	Pb	P	N.D.	<1000	P
.(1)		PBBs	1	/	<1000	/
3		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
12	Solder	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/

SHENZHEN SIT TESTING TECHNOLOGY CO LTD.

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	lest Report	No. SIT250	K Pa	Page: 4 of 13		
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	P
13	Silver metal pin	Pb	P	N.D.	<1000	P
5)	(5)	PBBs	12	/	<1000	/
		PBDEs	/	/	<1000	/
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
14	White plastic port	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
9		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
15	Feet solder	Pb	P	N.D.	<1000	P
		PBBs	/	1	<1000	1
		PBDEs	/		<1000	
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
16	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
	(si)	Cr(VI)	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
17	Black plastic head	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
(1)	(ci ¹)	PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	XX71	Hg	P	N.D.	<1000	P
18	White plastic wire skin	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P



	Test Report		No. SIT250)314160306RI	R Pa	age: 5 of 13
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
19	Green 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
	$(\dot{s}^{(1)})$	Cr(VI)	P	N.D.	<1000	P
20	D 1 1 2 2 1	Hg	P	N.D.	<1000	P
20	Red plastic wire skin	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
	(si)	PBDEs	P	N.D.	<1000	P
		Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
	D1 1 1 1 1 1	Hg	P	N.D.	<1000	P
21	Black plastic wire skin	Pb	P	N.D.	<1000	P
	(3)	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
	(5)	Hg	P	N.D.	<1000	P
22	Copper wire	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	1	<1000	
	(61)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
22	D1 1 1 2 1 1	Hg	P	N.D.	<1000	P
23	Black plastic head	Pb	P	N.D.	<1000	P
(21)	(517)	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
	William 1	Hg	P	N.D.	<1000	P
24	White plastic port	Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
	t t					

PBDEs

P

N.D.

< 1000

P



	Test Report		No. SIT25	0314160306RI	R Pa	age: 6 of 13
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
25	LICD 4.1	Hg	Р	N.D.	<1000	P
25	USB metal port	Pb	P	N.D.	<1000	P
5)		PBBs	1	/	<1000	/
		PBDEs	/	/	<1000	/
		Cd	Р	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
26	G'1 4.1	Hg	P	N.D.	<1000	P
26	Silver metal pin	Pb	Р	N.D.	<1000	P
		PBBs	/	/	<1000	/
		PBDEs	/	/	<1000	/
.(1)	(51)	Cd	P	N.D.	<100	P
		Cr(VI)	P	N.D.	<1000	P
27	0.11	Hg	P	N.D.	<1000	P
27	Solder	Pb	P	N.D.	<1000	P
		PBBs	/	/	<1000	1
		PBDEs	/		<1000	1



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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	$P \le 70-3\sigma \le D \le 130+3\sigma \le F$	$P \le 70-3\sigma \le D \le 130+3\sigma \le F$	$P \le 50-3\sigma \le D \le 150+3\sigma \le F$
Pb	$P \le 700-3\sigma \le D \le 1300+3\sigma \le F$	P≤700-3σ <d<1300+3σ≤f< td=""><td>$P \le 500-3\sigma \le D \le 1500+3\sigma \le F$</td></d<1300+3σ≤f<>	$P \le 500-3\sigma \le D \le 1500+3\sigma \le F$
Hg	$P \le 700-3\sigma \le D \le 1300+3\sigma \le F$	P≤700-3σ <d<1300+3σ≤f< td=""><td>$P \le 500-3\sigma \le D \le 1500+3\sigma \le F$</td></d<1300+3σ≤f<>	$P \le 500-3\sigma \le D \le 1500+3\sigma \le F$
Br	P≤300-3σ <d< td=""><td></td><td>P≤250-3σ<d< td=""></d<></td></d<>		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	MDL (mg/lsg)	REQUIRED LIMIT			
TIEW	1	4	6	7	8	(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.	2	SAMPLE	MDL	REQUIRED LIMIT			
ITEM	10	14	16	17	18	(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

			/	1			
SAMPLE No.	5)	SAMPLE CONCENTRATION					REQUIRED
ITEM			(mg/kg)			MDL (mg/lsg)	LIMIT
TIEW	19	20	21	23	24	(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

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









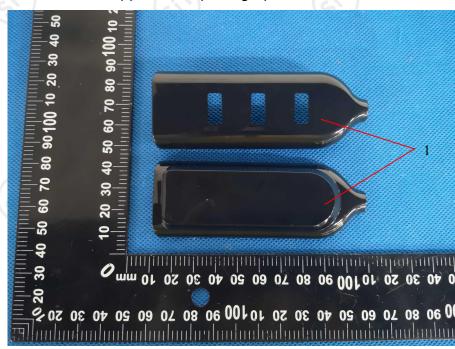


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Appearance photograph of EUT

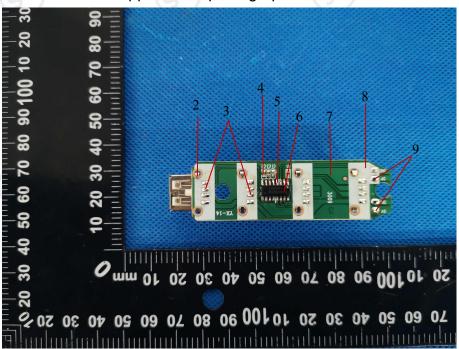


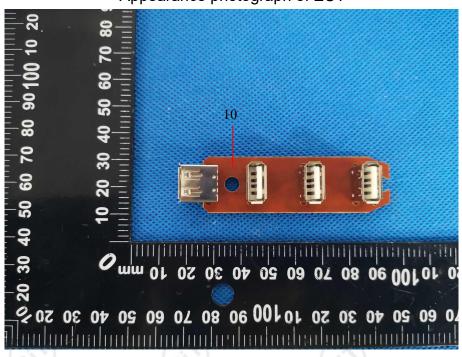


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Appearance photograph of EUT

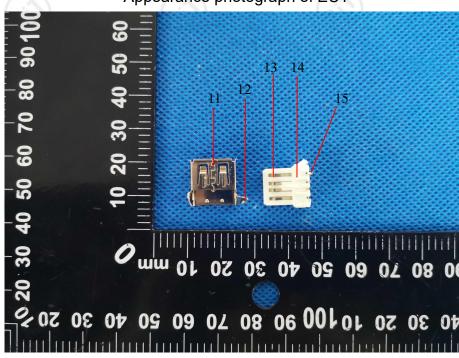




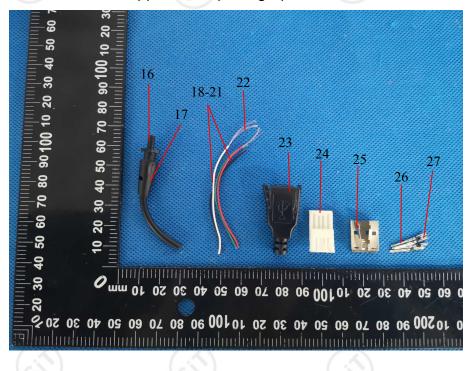


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Appearance photograph of EUT





No. SIT250314160306RR

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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	1
3	UV-Vis	Lambda 25	2025/09/16	1
4	XRF	EDX3000B	2025/09/22	\checkmark

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

Statement:

- 1. The test report is considered invalidated without approval signature.
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