





TEST REPORT

Report No : WTF24F11264350R1C

Job No. : FSW2411120471CJ

Kowloon, Hong Kong

Manufacturer..... 114538

Sample Name Foldable charging station

Sample Model : MO2145

Test Requested...... With reference to EU RoHS Directive 2011/65/EU and its

amendment Directive EU 2015/863, to determine the Lead, Mercury, Cadmium, Hexavalent Chromium, PBBs, PBDEs, DBP, BBP, DEHP, DIBP content in the submitted sample.

Test Method Refer to next page (s)

Test Conclusion Pass

Date of Receipt sample : 2024-11-12 & 2025-05-13

Testing period......: 2024-11-12 to 2024-11-21 & 2025-05-13 to 2025-05-19

Date of Issue : 2025-05-19

Test Result : Refer to next page (s)

Prepared By:

Waltek Testing Group (Foshan) Co., Ltd.

Address: No.13-19, 2/F., 2nd Building, Sunlink Machinery City, Xingye 4 Road, Guanglong Industrial Park, Chihua Neighborhood Committee, Chencun Town, Shunde District, Foshan, Guangdong, China Tel:+86-757-23811398 Fax:+86-757-23811381 E-mail:info@waltek.com.cn

Signed for and on behalf of Waltek Testing Group (Foshan) Co., Ltd.





WTF24F11264350R1C



Sample photo:



MO2145

MO2145



Test Results:

1. Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs

Test Method/Equipment:

- 1) With reference to IEC 62321-2:2021, disassembly, disjunction and mechanical sample preparation
- 2) With reference to IEC 62321-3-1:2013, screening –Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry
- 3) With reference to IEC 62321-4:2013+AMD1:2017 CSV, determination of Mercury by ICP-OES
- 4) With reference to IEC 62321-5:2013, determination of Lead and Cadmium by ICP-OES
- 5) With reference to IEC 62321-7-2: 2017 and IEC 62321-7-1: 2015, determination of Hexavalent Chromium by UV-Vis
- 6) With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS

Part No.	Part Description	20.	Res	ult of	XRF	Result of Wet Chemical	
- C	THE THE STEEL STEEL MITTER	Cd	Pb	Hg	Cr	Br	Testing (mg/kg)
1 1	White plastic shell(plug)	BL	BL	BL	BL	BL	NA
2	White dry glue(plug)	BL	BL	BL	BL	BL	MA WILL W
3	Silvery metal shell(plug)	BL	BL	BL	ÍN	MILEK.	Cr ⁶⁺ : Negative
4	Silvery metal shell(plug)	BL	BL	BL	BL	7	untill NATE until
5	White plastic core(plug)	BL	BL	BL	BL	BL	White WA Write
6,41	Solder(plug)	BL	BL	BL	BL	NATIE!	MA MITTER AND
71. Z. E. Y.	Green PCB(plug)	BL	BL	BL	BL	IN	PBBs: ND PBDEs: ND
8	Black plastic core(plug)	BL	BL	BL	BL	BL	net met NA et aneter
9	Silvery metal pin(plug)	BL	BL	BL	BL	- 	H NA NAT
10	Chip resistor(plug)	BL	BL	BL	BL	BL	THE WANTER
11/14	Silvery metal pin(plug)	BL	BL	BL	BL	in.	THE NAME OF
12	White plastic wire jacket	BL	BL	BL	BL	BL	NA -
13	White plastic jacket(Type-C plug)	BL	BL	BL	BL	BL	NA



Part No.	Part Description	<u> </u>	Res	sult of 2	XRF	Result of Wet Chemical	
	T art bescription	Cd	Pb	Hg	Cr	Br	Testing (mg/kg)
14	Silvery metal shell(Type-C plug)	BL	BL	BL	ÍN	ALIER .	Cr ⁶⁺ : Negative
15	White plastic wire covering	BL	BL	BL	BL	BL	TET UNLTE NA WALL
16	Green plastic wire covering	BL	BL	BL	BL	BL	Whitek white a
17	Black plastic wire covering	BL	BL	BL	BL	BL	WALTER WALTENANTE WAS
18	Red plastic wire covering	BL	BL	BL	BL	BL	NITER WATER WITE
19	Yellow plastic wire covering	BL	BL	BL	BL	BL	TEL MAEL WAITER
20	Coppery metal wire	BL	BL	BL	BL	- ILLE	MA WAITER W
21	Transparent dry glue(Type-C plug)	BL	BL	BL	BL	BL	NA STEEL WAS AND STEEL WAS
22	Silvery metal pin(Type-C plug)	BL	BL	BL	BL	1).	THE NAME OF THE
23	Black plastic core(Type-C plug)	BL	BL	BL	BL	BL	NA NA
24	Green PCB(Type-C plug)	BL	BL	BL	BL	IN	PBBs: ND PBDEs: ND
25	White plastic shell	BL	BL	BL	BL	BL	NA THE NA
26	White soft plastic sheet	BL	BL	BL	BL	BL	NA THE
27	Silvery magnetic sheet	BL	BL	BL	BL	717	NA
28	Silvery metal screw	BL	BL	BL	BL	MILIT	Ma NA
29	Dark grey magnetic sheet	BL	BL	BL	BL	Mr. TER	Write Aug NA
30	Coppery varnished wire	BL	BL	BL	BL	BL	NA NA
31 🕠	Yellow transparent plastic adhesive tape	BL	BL	BL	BL	BL	NA WALL



Part No.	Part Description		Res	sult of	XRF	Result of Wet Chemical		
uit ito.	T dit bosonphon	Cd	Pb	Hg	Cr	Br	Testing (mg/kg)	
32	White FPC	BL	BL	BL	BL	BL	NA	
33	Black sponge with adhesive	BL	BL	BL	BL	BL	THE MA WALL	
34	Solder	BL	BL	BL	BL	المالين ا	WALLEY WAS WITH	
35	Chip resistor	BL	BL	BL	BL	BL	untill and NA wife and	
36	Chip LED	BL	BL	BL	BL	BL	NITER WAITER NATER WITE	
37	Chip audion	BL	BL	BL	BL	BL	THE WALLEY NAME WHITEL	
38	Chip diode	BL	BL	BL	BL	BL	NA WALLEY	
39	Chip IC	BL	BL	BL	BL	BL	NA TEL MA	
40	Red capacitor	BL	BL	BL	BL	BL	NA CHE NA CHE	
41	Chip capacitor	BL	BL	BL	BL	BL	NA NA	
42	Grey magnetic shell(inductor)	BL	BL	BL	IN	71/L	Cr ⁶⁺ : ND	
43	Coppery varnished wire(inductor)	BL	BL	BL	IN	BL	Cr ⁶⁺ : ND	
44	Green PCB	BL	BL	BL	BL	BL	NA NA	
45	Silvery metal shell(Type-C socket)	BL	BL	BL	IN	714	Cr ⁶⁺ : Negative	
46	Dark grey plastic core(Type-C socket)	BL	BL	BL	BL	BL	white we NA when we	
47	Golden metal pin(Type-C socket)	BL	BL	BL	BL	UNITED.	White we NAME WE	
48	Black double faced adhesive tape	BL	BL	BL	BL	BL	LIFE MELT NA WILL	
49	Black plastic cap	BL	BL	BL	BL	BL	NA WALL	



Part No.	Part Description		Res	ult of	XRF	Result of Wet Chemical		
 	at the tile state out	Cd	Pb	Hg	Cr	Br	Testing (mg/kg)	
50	White plastic part with silvery plating	BL	BL	BL	IN	BL	Cr ⁶⁺ : ND	
51	Red varnished wire	BL	BL	BL	BL	BL	THE WALL NA	
52	Black plastic shell(plug)	BL	BL	BL	BL	BL	A MATER AND NA MILITA	
53	Black plastic core(plug)	BL	BL	BL	BL	BL	white with NA with wh	
54	Black plastic wire jacket	BL	BL	BL	BL	BL	NI III WALIFE WALIFE WILL	
55	Black plastic jacket(Type-C plug)	BL	BL	BL	BL	BL	SEL NATE NATE	
56	Blue plastic wire covering	BL	BL	BL	BL	BL	- NA WATER	
57	Black PCB(plug)	BL	BL	BL	BL	IN	PBBs: ND PBDEs: ND	
58	Black plastic shell	BL	BL	BL	BL	BL	NA FEE NA FEE MALEE	
59	Black soft plastic sheet	BL	BL	BL	BL	BL	NA NA	
60	White plastic part	BL	BL	BL	BL	BL	NA	

2. Phthalates

Test Method/Equipment:

1) With reference to IEC 62321-8:2017, determination of DBP, BBP, DEHP, DIBP by GC-MS

Serial	20, 20, 20,	Result (mg/kg)								
No.	Part No.	DBP	BBP	DEHP	DIBP					
T01	1+2+12△	ND	ND	ND	ND					
T02	11 11 3 11 11 11 11 11 11 11 11 11 11 11	The Table .	44. M. 2		L 5 1					
T03	where were 4 one will	A	Let Tet S	EF NIE MI	White - when					
T04	5+8+23+25+46 ^Δ	ND SI	ND	ND	ND					
T05	till with 16th West	·	of the state of	- JEE ALLE	WILL OUT					
T06	7+24+32 [△]	ND	ND W	ND	ND					
T07	11 119 W W	7	J J.J.	76t - 176t	, stiffer of the sale					
T08	10+35+36+37+38 [△]	ND	ND	ND	ND					



Serial	LIER OLIVERUNE MAL	Result (mg/kg)								
No.	Part No.	DBP	BBP	DEHP	DIBP					
T09	et the 11 life with	The rank of	2.	L 15 18						
T10	13+15+16 [△]	ND	ND	ND	ND					
T11	14	Will mile and	20 20	<u></u>	Jek Jel					
T12	17+18+19 [△]	ND	ND	ND	ND					
T13	20	IT MILL - MILL	24, -24,	4	st -st					
T14	21+26+31 [△]	ND	ND ND	ND	ND					
T15	A 22 A 5	RITE - MILE	44 - 74 - 1	` ,	L J					
T16	27	2 2	at the	TER NITTE MILI	anti an					
T17	28	LIER MILE W	ir Mon Mu	10, "						
T18	29	71 25	st st 5	TIPE NIFE	WILL -NULL					
T19	30+43+51 [△]	ND	ND ND	ND	ND					
T20	33+48+49 [△]	ND	ND	ND	ND					
T21	34	E TEL TE	Will -Mr.	The The A						
T22	39+40+41 [△]	ND	ND	ND ND	ND					
T23	42	- Let Clet	ner with N	r 20 20	20 2					
T24	44	ND	ND	ND ND	ND					
T25	45	at the	The WALL WAS	14 14	74, -2,					
T26	47	10 1		1-1 At	JEK - JE					
T27	50	ND	ND	ND	ND					
T28	52+54+55 [△]	ND	ND	ND	ND					
T29	53+58+60 [△]	ND	ND	ND	ND					
T30	56+59 [△]	ND	ND	ND	← ND					
T31	57	ND	ND	ND	ND					



Remark:

(1) Results are obtained by XRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-VIS (for Cr⁶⁺) and GC-MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1: 2013 (unit: mg/kg)

Element	Polymer	Metal	Composite Materials			
Cd	BL \leq (70-3 σ) $<$ IN $<$ (130+3 σ) \leq OL	BL \leq (70-3 σ) $<$ IN $<$ (130+3 σ) \leq OL	LOD < IN < (150+3σ) ≤ OL			
Pb	BL \leq (700-3 σ) < IN < (1300+3 σ) \leq OL	BL \leq (700-3 σ) $<$ IN $<$ (1300+3 σ) \leq OL	BL \leq (500-3 σ) $<$ IN $<$ (1500+3 σ) \leq OL			
Hg	BL \leq (700-3 σ) $<$ IN $<$ (1300+3 σ) \leq OL	BL \leq (700-3 σ) $<$ IN $<$ (1300+3 σ) \leq OL	BL \leq (500-3 σ) $<$ IN $<$ (1500+3 σ) \leq OL			
Cr	BL ≤ (700-3σ) < IN	BL ≤ (700-3σ) <in< td=""><td>BL ≤ (500-3σ) < IN</td></in<>	BL ≤ (500-3σ) < IN			
Br	BL ≤ (300-3σ) < IN	Marie Mr. Mr. Mr.	BL ≤ (250-3σ) < IN			

BL= Below Limit

OL= Over Limit

LOD = Limit of Detection

-- = Not Regulated

- (2) "IN" expresses the inconclusive region, and further chemical testing to confirm whether it complies with the requirement of RoHS Directive.
- (3) The XRF screening test for RoHS elements the reading may be different to the actual content in the sample be of non-uniformity composition.
- (4) mg/kg =milligram per kilogram=ppm, μg/cm²= Micrograms per square centimetre.
- (5) ND = Not Detected or lower than limit of quantitation.
- (6) NA = Not Applicable, as the XRF screening test result was below the limit or as the XRF screening directly determine that test result was over the limit, it was not need to conduct the wet chemical testing.
- (7) LOQ = Limit of quantitation.

	Test Items	Pb	Cd	Hg	√u Cı		PBB	PBDE	DBP	BBP	DEHP	DIBP
	Units	mg/kg	mg/kg	mg/kg	mg/kg	µg/cm ²	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
a[LOQ	2	2	2	8	0.1	5	5	50	50	50	50

The LOQ for single compound of PBBs and PBDEs is 5mg/kg, LOQ of Cr⁶⁺ for polymer and composite sample is 8mg/kg and LOQ of Cr⁶⁺ for metal sample is 0.1µg/cm².



(8) RoHS Requirement

Restricted Substances	Limits
Cadmium (Cd)	0.01% (100 mg/kg)
Lead (Pb)	0.1% (1000 mg/kg)
Mercury (Hg)	0.1% (1000 mg/kg)
Chromium (VI) (Cr ⁶⁺)	0.1% (1000 mg/kg)
Polybrominated Biphenyls (PBBs)	0.1% (1000 mg/kg)
Polybrominated Diphenyl Ethers (PBDEs)	0.1% (1000 mg/kg)
Dibutyl phthalate (DBP)	0.1% (1000 mg/kg)
Benzyl butyl phthalate (BBP)	0.1% (1000 mg/kg)
Di(2-ethylhexyl) phthalate (DEHP)	0.1% (1000 mg/kg)
Di-iso-butyl phthalate (DIBP)	0.1% (1000 mg/kg)

(9) According to IEC 62321-7-1:2015, determined of Cr⁶⁺ on metal sample by boiling water extraction test method, and result is shown as Positive/Negative.

Boiling water extraction:

Negative = Absence of Cr^{6+} coating, the detected concentration in boiling water extraction solution is less than $0.10 \mu g/cm^2$.

Positive = Presence of Cr^{6+} coating, the detected concentration in boiling water extraction solution is greater than $0.13\mu g/cm^2$.

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

(10) Abbreviation:

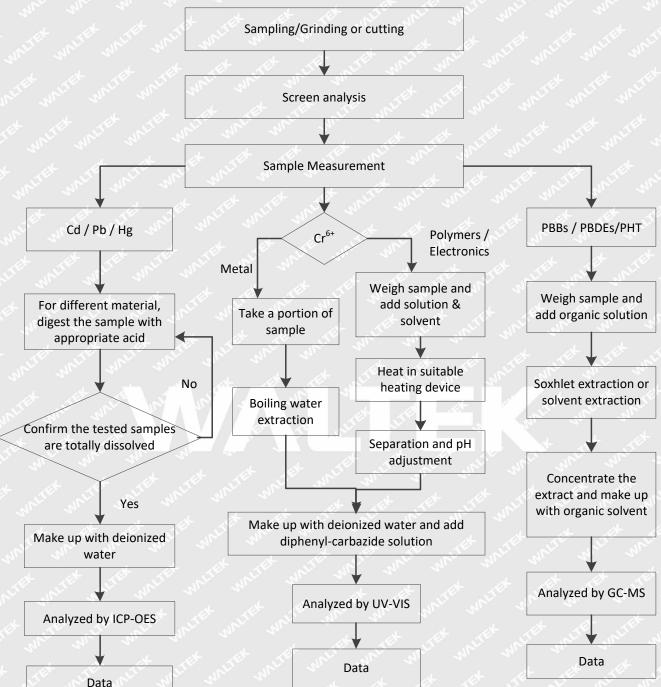
"Pb" denotes Lead, "Cd" denotes Cadmium, "Hg" denotes Mercury, "Cr" denotes Chromium, "Cr⁶⁺" denotes Hexavalent Chromium, "Br" denotes Bromine, "PBBs" denotes Total Polybrominated Biphenyls, "PBDEs" denotes Total Polybrominated Diphenyl Ethers.

"DBP" denotes Dibutyl phthalate, "BBP" denotes Benzyl butyl phthalate (BBP), "DEHP" denotes Bis(2-ethylhexyl)-phthalate, "DIBP" denotes Diisobutyl phthalate, "PHT" denotes Phthalates.

- (11) "△"=As client's requirement, the testing was conducted based on mixed components. Results are calculated by the minimum weight of mixed components.
- (12) As per client's requirement, the result of specimen No.1 to No.51 was quoted from Report No.WTF24F11264350C .

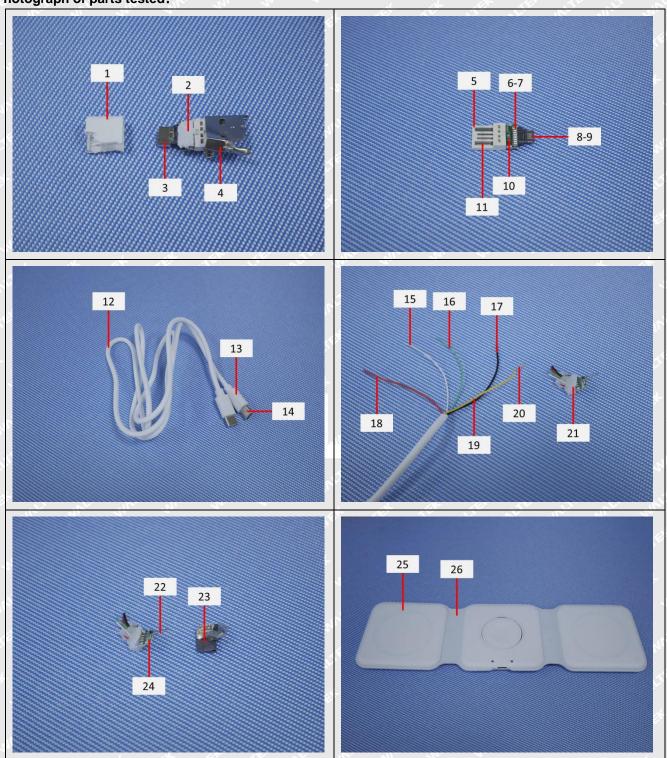


Testing Flow chart:

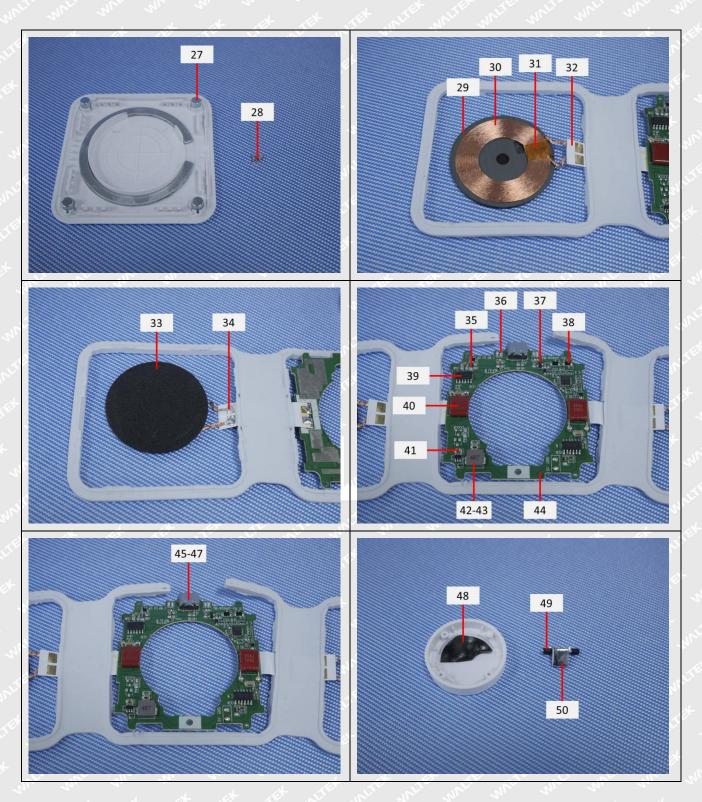




Photograph of parts tested:











Remarks:

- 1. The results shown in this test report refer only to the sample(s) tested;
- 2. This test report cannot be reproduced, except in full, without prior written permission of the company;
- 3. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver;
- 4. The Applicant name and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which Waltek hasn't verified;
- 5. If the report is not stamped with the accreditation recognized seal, it will only be used for scientific research, education, and internal quality control activities, and is not used for the purpose of issuing supporting data to the society.
- 6. The sample material information (Model No. information) is provided by client, not verified by test laboratory. The samples of reference Model No. are not tested. Test laboratory not responsible for the accuracy, appropriateness, completeness and authenticity of the information provided by client.

===== End of Report ======

