



TEST REPORT

Report No. : ZKT-2609150909R

Issue Date : Sep. 23, 2026

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Applicant name : Advanced Health Solutions B.V.

Address : Veerstraat 13A 1404CG, Bussum Noord-Holland The Netherlands

Sample Description

Sample name : LED THERAPY LIGHT

Trade mark : 

Model No. : ATP Pure 1500
ATP Pure 700; ATP Pure 300

Manufacturer : Advanced Health Solutions B.V.

Address : Veerstraat 13A 1404CG, Bussum Noord-Holland The Netherlands

Test Requested

No.	Requested	Conclusion
1	EU RoHS Directive (EU)2015/863 Amending Annex II to Directive 2011/65/EU —Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content —Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content	PASS

Reviewer by : 

Approved by : 



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Testing Laboratory : Shenzhen ZKT Technology Co., Ltd.

Address : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, ShenZhen, China.

Test Report Form No. : TRF-CL-001_V0

Received Date : Sep. 15, 2026

Testing Period : Sep. 15, 2026 to Sep. 23, 2026

Version

Report No.	Issue Date	Description	Approved
ZKT-2609150909R	Sep. 23, 2026	Original	Valid



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Test Method:

1 XRF Screening

Test item(s)	Test Method(s)	Equipment(s)
Lead (Pb)	IEC 62321-3-1:2026	EDX LE
Cadmium (Cd)		
Mercury (Hg)		
Chromium (Cr)		
Bromine (Br)		

2 Chemical Testing

Test item(s)	Test Method(s)	Equipment(s)
Mercury(Hg)	IEC 62321-4:2013+A1:2017	ICP-OES
Lead(Pb)	IEC 62321-5:2013	ICP-OES
Cadmium(Cd)	IEC 62321-5:2013	ICP-OES
PBB	IEC 62321-6:2015 / IEC 62321-12:2023	GC-MS
PBDE		
Chromium(Cr VI) for colourless and coloured corrosion-protected coatings on metals	IEC 62321-7-1:2015	UV-Vis
Chromium(Cr VI) for polymers and electronics	IEC 62321-7-2:2017	UV-Vis
DEHP	IEC 62321-8:2017 / IEC 62321-12:2023	GC-MS
DBP		
BBP		
DIBP		



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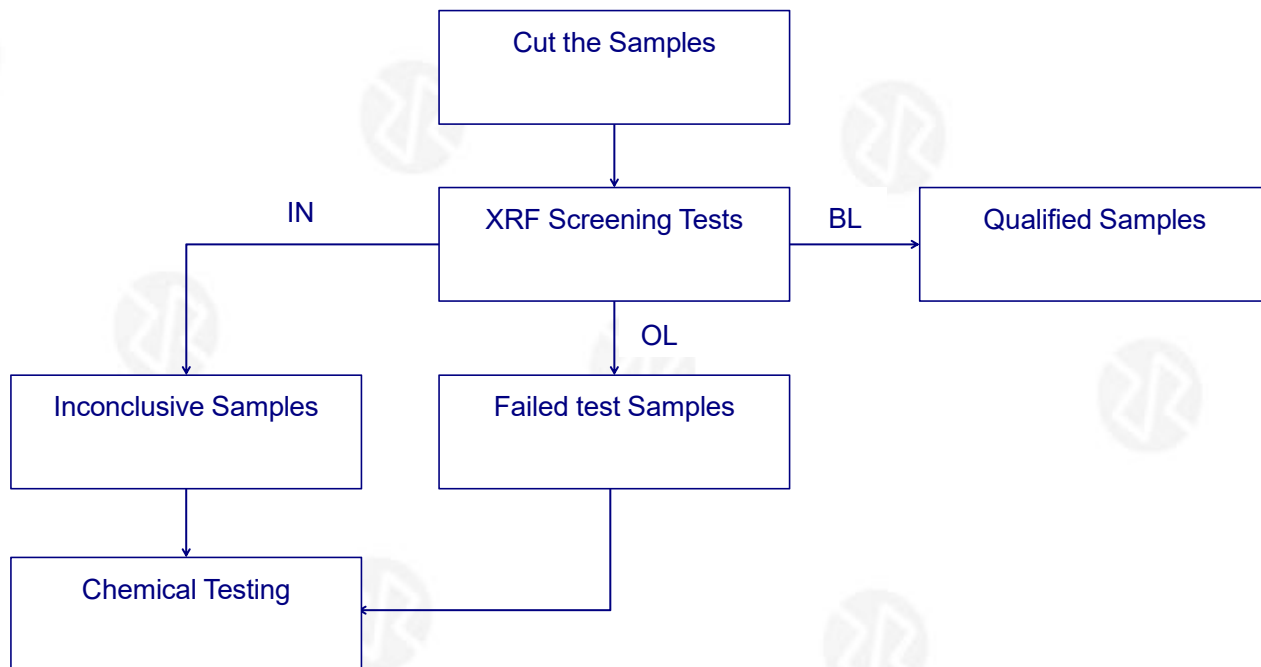
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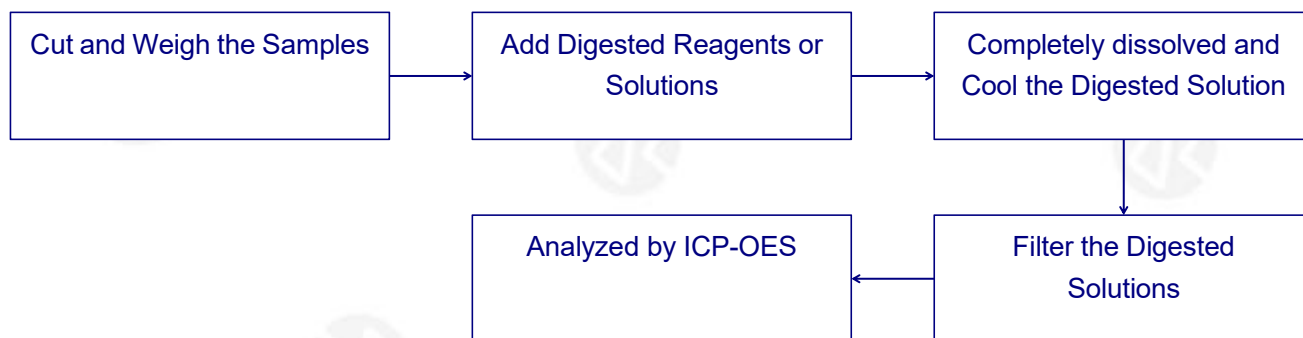
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Test Flow:

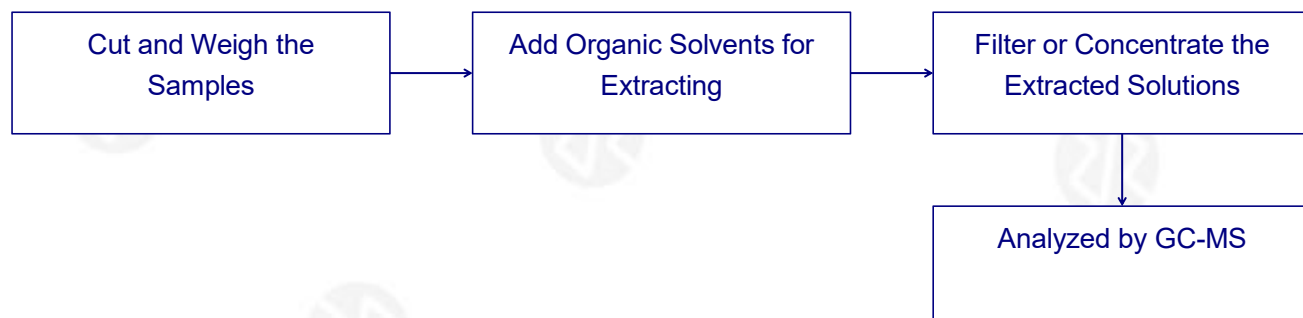
1 XRF Screening



2 Lead, Cadmium, Mercury



3 PBBs & PBDEs, Phthalates





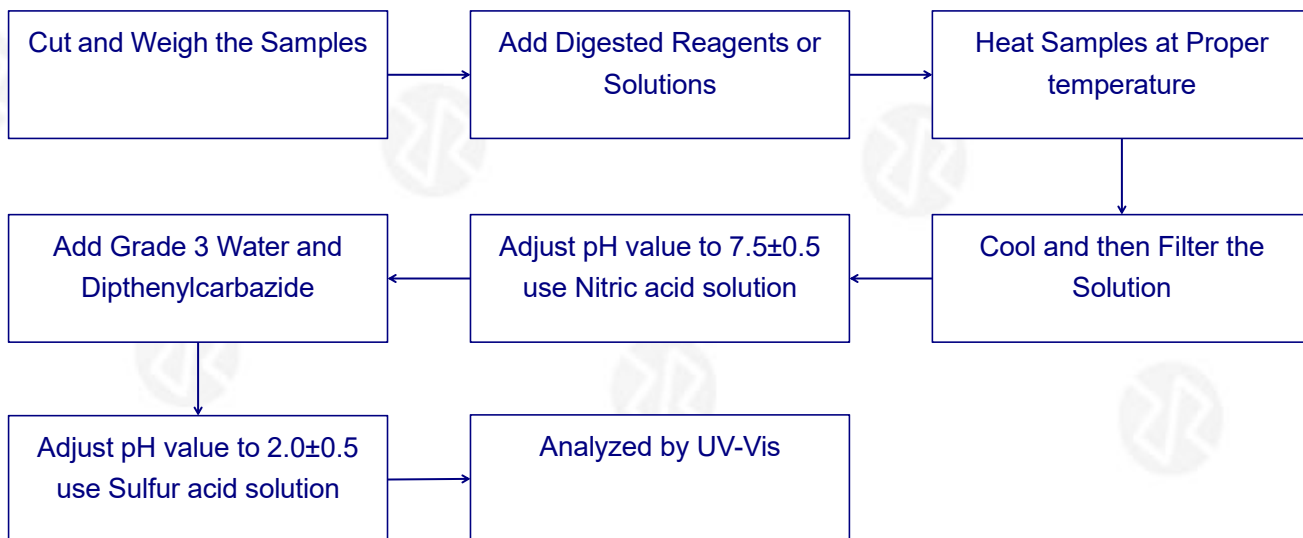
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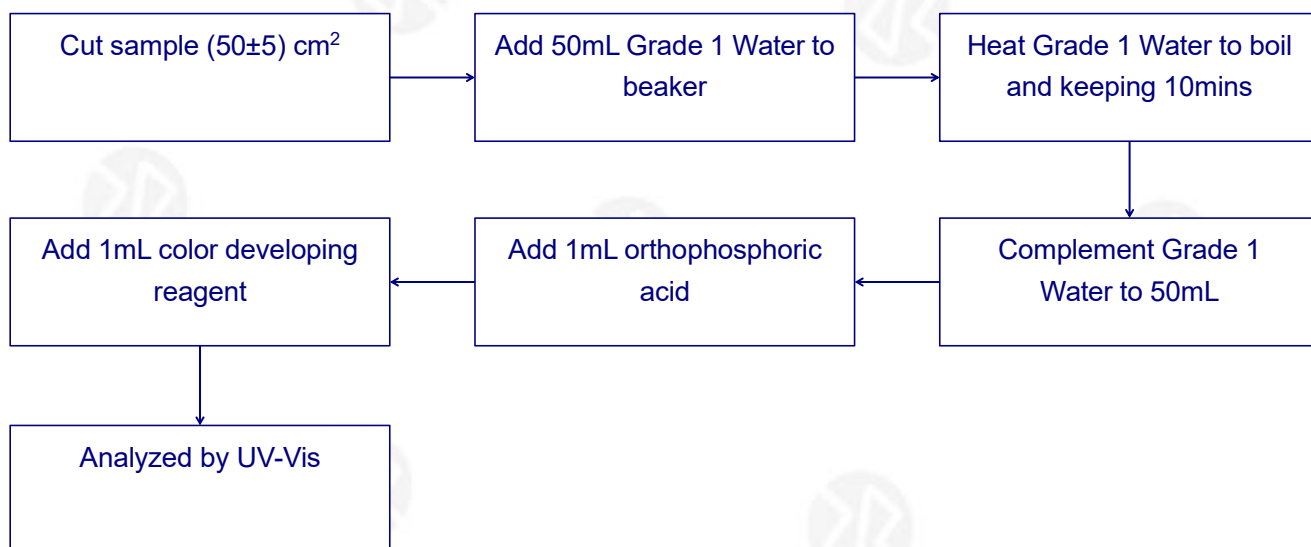
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4 Chromium(Cr VI) (Non-metal)



5 Chromium(Cr VI) (Metal)





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Test Results:

Sample No.	Sample Description	Restricted Substances	XRF Testing	Chemical testing (mg/kg)	Conclusion
1	White metal	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL NA NA - - - -	- - - - - - NA NA NA NA	PASS
2	Black plastic	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL BL BL - - - -	- - - - - - ND ND ND ND	PASS
3	Black wire	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL BL BL - - - -	- - - - - - ND ND ND ND	PASS



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Sample No.	Sample Description	Restricted Substances	XRF Testing	Chemical testing (mg/kg)	Conclusion
4	Red plastic	Pb	BL	-	PASS
		Cd	BL	-	
		Hg	BL	-	
		Cr(VI)	BL	-	
		PBBs	BL	-	
		PBDEs	BL	-	
		DEHP	-	ND	
		BBP	-	ND	
		DBP	-	ND	
		DIBP	-	ND	
5	Screw	Pb	BL	-	PASS
		Cd	BL	-	
		Hg	BL	-	
		Cr(VI)	BL	-	
		PBBs	NA	-	
		PBDEs	NA	-	
		DEHP	-	NA	
		BBP	-	NA	
		DBP	-	NA	
		DIBP	-	NA	
6	LED	Pb	BL	-	PASS
		Cd	BL	-	
		Hg	BL	-	
		Cr(VI)	BL	-	
		PBBs	BL	-	
		PBDEs	BL	-	
		DEHP	-	ND	
		BBP	-	ND	
		DBP	-	ND	
		DIBP	-	ND	



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Sample No.	Sample Description	Restricted Substances	XRF Testing	Chemical testing (mg/kg)	Conclusion
7	Transparent plastic	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL BL BL - - - -	- - - - - - ND ND ND ND	PASS
8	Silvery metal	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL NA NA - - - -	- - - - - - NA NA NA NA	PASS
9	Gray plastic	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL BL BL - - - -	- - - - - - ND ND ND ND	PASS



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Sample No.	Sample Description	Restricted Substances	XRF Testing	Chemical testing (mg/kg)	Conclusion
10	Red wire	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL BL BL - - - -	- - - - - - ND ND ND ND	PASS
11	White glue	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL BL BL - - - -	- - - - - - ND ND ND ND	PASS
12	Yellow wire	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL BL BL - - - -	- - - - - - ND ND ND ND	PASS



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Sample No.	Sample Description	Restricted Substances	XRF Testing	Chemical testing (mg/kg)	Conclusion
13	Gray wire	Pb	BL	-	PASS
		Cd	BL	-	
		Hg	BL	-	
		Cr(VI)	BL	-	
		PBBs	BL	-	
		PBDEs	BL	-	
		DEHP	-	ND	
		BBP	-	ND	
		DBP	-	ND	
		DIBP	-	ND	
14	Red plastic	Pb	BL	-	PASS
		Cd	BL	-	
		Hg	BL	-	
		Cr(VI)	BL	-	
		PBBs	BL	-	
		PBDEs	BL	-	
		DEHP	-	ND	
		BBP	-	ND	
		DBP	-	ND	
		DIBP	-	ND	
15	Blue plastic	Pb	BL	-	PASS
		Cd	BL	-	
		Hg	BL	-	
		Cr(VI)	BL	-	
		PBBs	BL	-	
		PBDEs	BL	-	
		DEHP	-	ND	
		BBP	-	ND	
		DBP	-	ND	
		DIBP	-	ND	



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Sample No.	Sample Description	Restricted Substances	XRF Testing	Chemical testing (mg/kg)	Conclusion
16	Motor-Beige Plastic	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL BL BL - - - -	- - - - - - ND ND ND ND	PASS
17	Motor-Silver Metal	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL NA NA - - - -	- - - - - - NA NA NA NA	PASS
18	Motor-Copper Wire	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL NA NA - - - -	- - - - - - NA NA NA NA	PASS



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Sample No.	Sample Description	Restricted Substances	XRF Testing	Chemical testing (mg/kg)	Conclusion
19	Motor-Magnet	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL NA NA - - - -	- - - - - - NA NA NA NA	PASS
20	PCB	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL BL BL - - - -	- - - - - - ND ND ND ND	PASS
21	Golden metal	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL NA NA - - - -	- - - - - - NA NA NA NA	PASS



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Sample No.	Sample Description	Restricted Substances	XRF Testing	Chemical testing (mg/kg)	Conclusion
22	Tin	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL NA NA - - - -	- - - - - - NA NA NA NA	PASS
23	IC	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL BL BL - - - -	- - - - - - ND ND ND ND	PASS
24	SMD Capacitor	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL BL BL - - - -	- - - - - - ND ND ND ND	PASS



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Sample No.	Sample Description	Restricted Substances	XRF Testing	Chemical testing (mg/kg)	Conclusion
25	SMD Resistor	Pb	BL	-	PASS
		Cd	BL	-	
		Hg	BL	-	
		Cr(VI)	BL	-	
		PBBs	BL	-	
		PBDEs	BL	-	
		DEHP	-	ND	
		BBP	-	ND	
		DBP	-	ND	
		DIBP	-	ND	
26	SMD Diode	Pb	BL	-	PASS
		Cd	BL	-	
		Hg	BL	-	
		Cr(VI)	BL	-	
		PBBs	BL	-	
		PBDEs	BL	-	
		DEHP	-	ND	
		BBP	-	ND	
		DBP	-	ND	
		DIBP	-	ND	
27	SMD Transistor	Pb	BL	-	PASS
		Cd	BL	-	
		Hg	BL	-	
		Cr(VI)	BL	-	
		PBBs	BL	-	
		PBDEs	BL	-	
		DEHP	-	ND	
		BBP	-	ND	
		DBP	-	ND	
		DIBP	-	ND	



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Sample No.	Sample Description	Restricted Substances	XRF Testing	Chemical testing (mg/kg)	Conclusion
28	Aluminum Electrolytic Capacitors	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL BL BL - - - -	- - - - - - ND ND ND ND	PASS
29	Y Capacitor	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL BL BL - - - -	- - - - - - ND ND ND ND	PASS
30	Transformer	Pb Cd Hg Cr(VI) PBBs PBDEs DEHP BBP DBP DIBP	BL BL BL BL BL BL - - - -	- - - - - - ND ND ND ND	PASS



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Sample No.	Sample Description	Restricted Substances	XRF Testing	Chemical testing (mg/kg)	Conclusion
31	Relay	Pb	BL	-	PASS
		Cd	BL	-	
		Hg	BL	-	
		Cr(VI)	BL	-	
		PBBs	BL	-	
		PBDEs	BL	-	
		DEHP	-	ND	
		BBP	-	ND	
		DBP	-	ND	
		DIBP	-	ND	
32	Fuse	Pb	BL	-	PASS
		Cd	BL	-	
		Hg	BL	-	
		Cr(VI)	BL	-	
		PBBs	BL	-	
		PBDEs	BL	-	
		DEHP	-	ND	
		BBP	-	ND	
		DBP	-	ND	
		DIBP	-	ND	
33	Crystal Oscillator	Pb	BL	-	PASS
		Cd	BL	-	
		Hg	BL	-	
		Cr(VI)	BL	-	
		PBBs	BL	-	
		PBDEs	BL	-	
		DEHP	-	ND	
		BBP	-	ND	
		DBP	-	ND	
		DIBP	-	ND	



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Notes:

1 Interpretation of screening results by X-ray fluorescence spectrometry (XRF)

1.1 XRF screening limits for different materials: According to IEC 62321-3-1:2026.

Materials	Concentration (mg/kg)				
	Cd	Cr	Pb	Hg	Br
Metals	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	NA
Polymers	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (300-3\sigma) < X$
Composite material	$BL \leq (50-3\sigma) < X < (150+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$	$BL \leq (250-3\sigma) < X$

(a) "OL" = "over limit".

(b) "BL" = "below limit".

(c) "X" = "Inconclusive", result is intermediate between "OL" and "BL".

(d) "NA" = "Not Applicable".

1.2 For regulated substances [polybrominated biphenyls (PBBs), polybrominated diphenyl ethers (PBDEs)], the results showed the total Br content, while for regulated substance Cr(VI), the results showed the total Cr content. If the quantitative results for the elements Br and/or Cr are higher than the limit (for Br calculated based on the stoichiometry of Br in the most common congeners of PBB/PBDE), the sample is "inconclusive".

1.3 Where further investigation is necessary, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBB/PBDE) are recommended to be performed.

2 Interpretation of results by chemical tests.

2.1 mg/kg = milligram per kilogram = ppm = 0.0001%

2.2 "NA" = "Not Applicable".

2.3 "ND" = "Not Detected" (<MDL).

2.4 "LOD" = Limit of Detection

2.5 MDL in wet chemical testing.

Item	Cr(VI)	Pb	Cd	Hg	PBB	PBDE	DEHP	BBP	DBP	DIBP
Units	$\mu\text{g}/\text{cm}^2$	mg/kg								
MDL	0.10	5	10	5	10	25	25	50	50	50

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

(a) Negative = Absence of Cr(VI) coating / surface layer: the detected concentration in boiling-water-extraction solution is less than 0.10 μg with 1cm² sample surface area.

(b) Positive = Presence of Cr(VI) coating / surface layer: the detected concentration in boiling-water-extraction solution is greater than 0.13 μg with 1cm² sample surface area.

(c) Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.



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2.7 "DBP" = Dibutyl phthalate, "BBP" = Benzyl butyl phthalate, "DEHP" = Bis(2-ethylhexyl)-phthalate, "DIBP" = Diisobutyl phthalate .

3 Requirement as per EU RoHS Directive 2011/65/EU.

Test Item(s)	Limits Requirement
Cadmium (Cd)	0.01% (100 mg/kg)
Lead (Pb)	0.1% (1000 mg/kg)
Mercury (Hg)	0.1% (1000 mg/kg)
Chromium (VI) (Cr(VI))	0.1% (1000 mg/kg)
Polybrominated Biphenyls (PBBs)	0.1%(1000 mg/kg)
Polybrominated Diphenyl Ethers (PBDEs)	0.1% (1000 mg/kg)
DEHP	0.1% (1000 mg/kg)
BBP	0.1% (1000 mg/kg)
DBP	0.1% (1000 mg/kg)
DIBP	0.1% (1000 mg/kg)

4 As specified by client, only test the designated sample.



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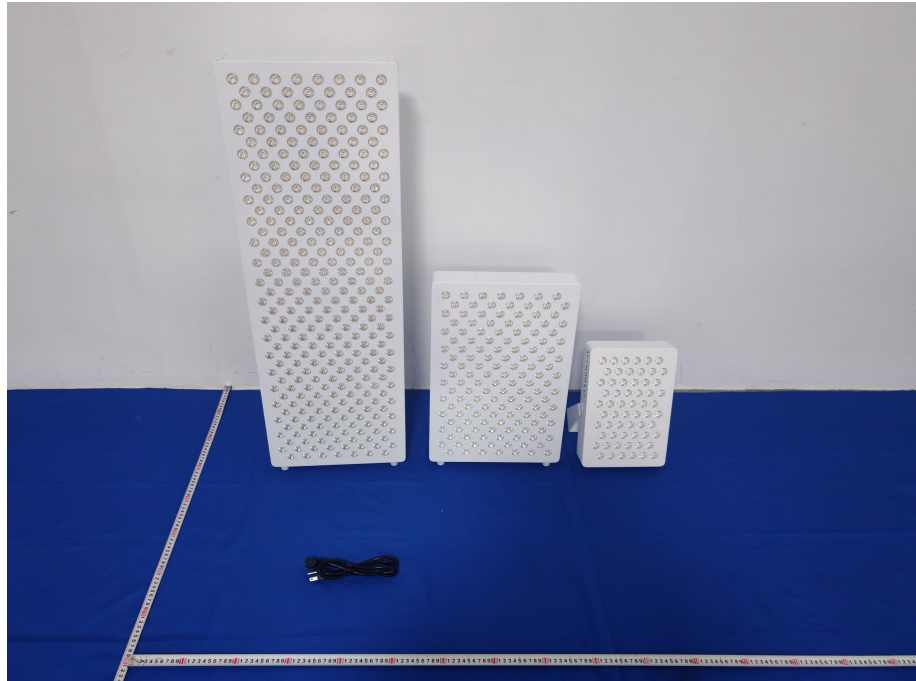
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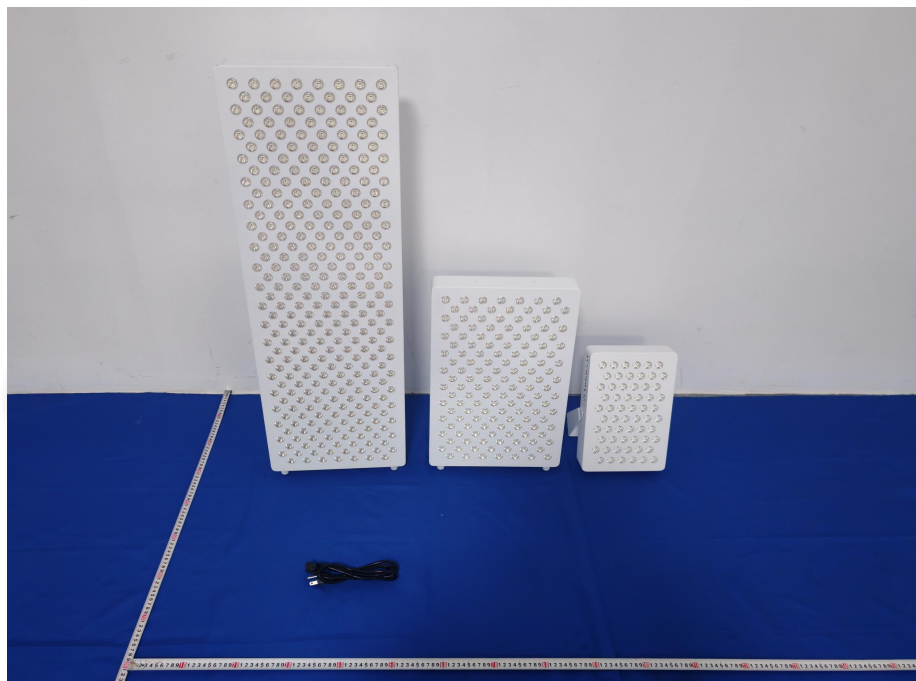
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Submitted Sample Photo

1.



2.





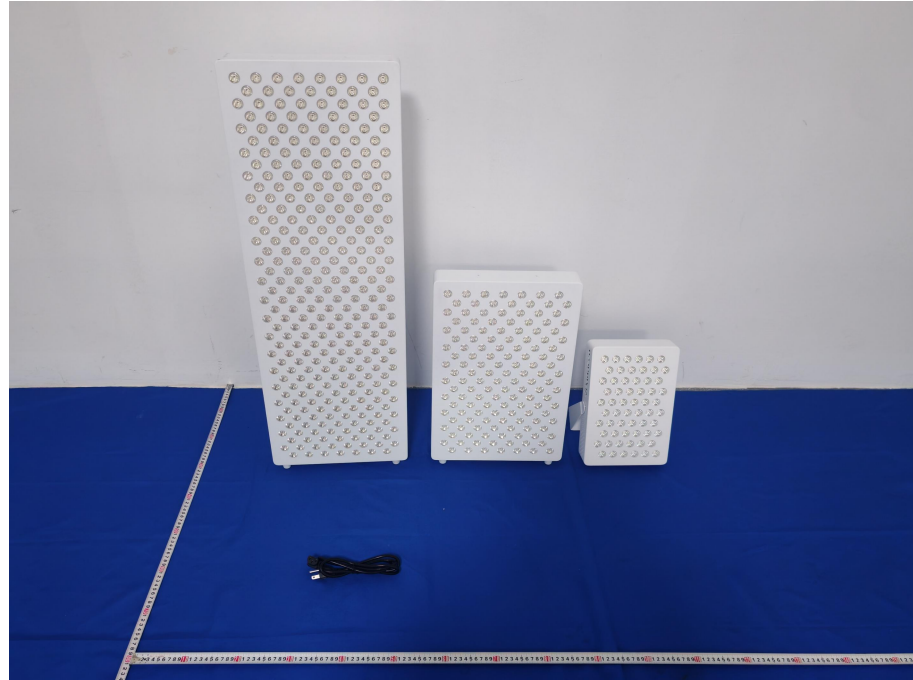
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4.





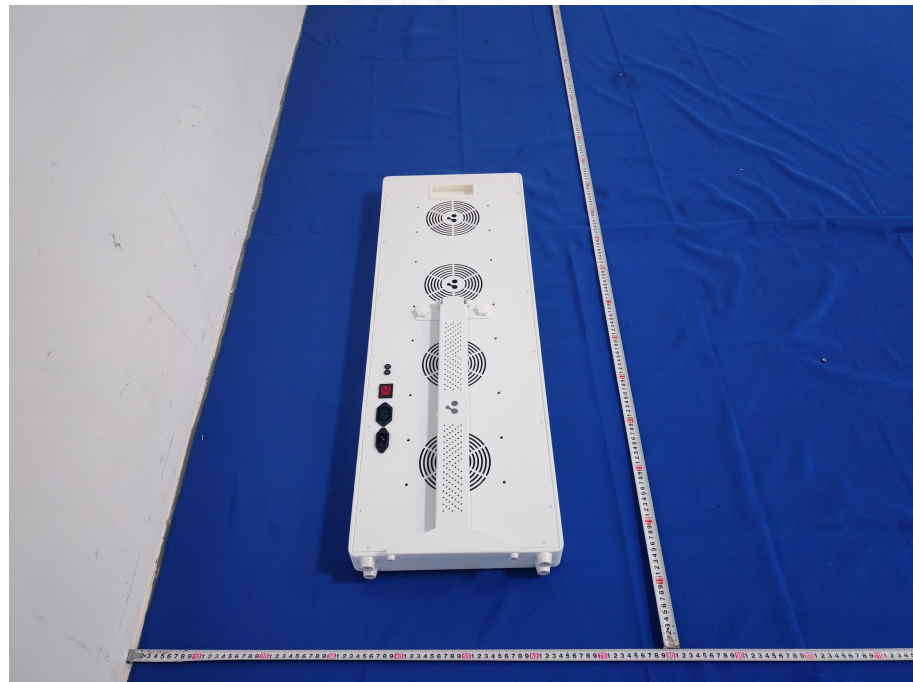
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6.





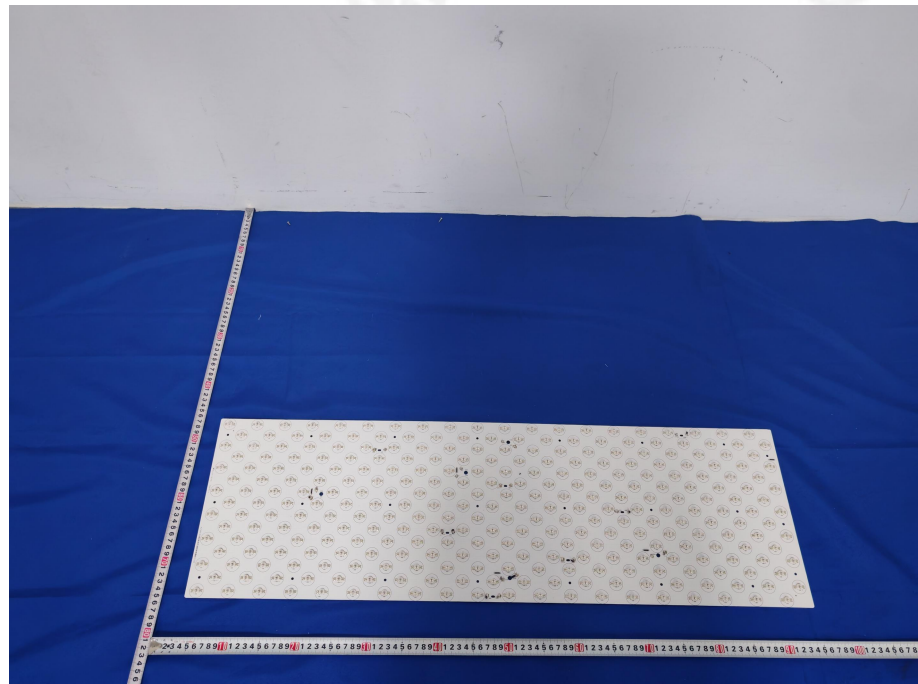
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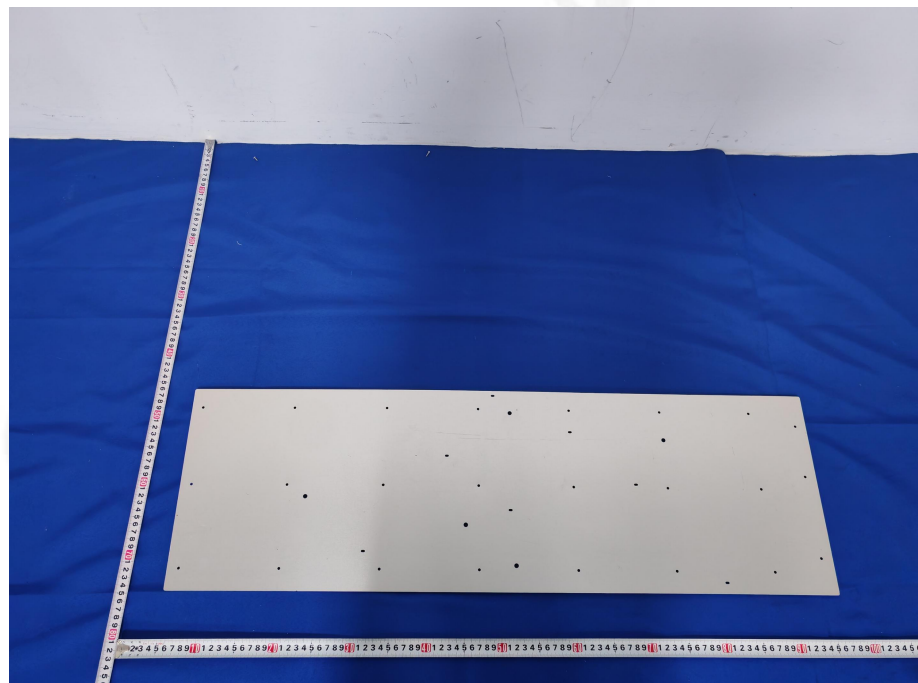
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7.



8.





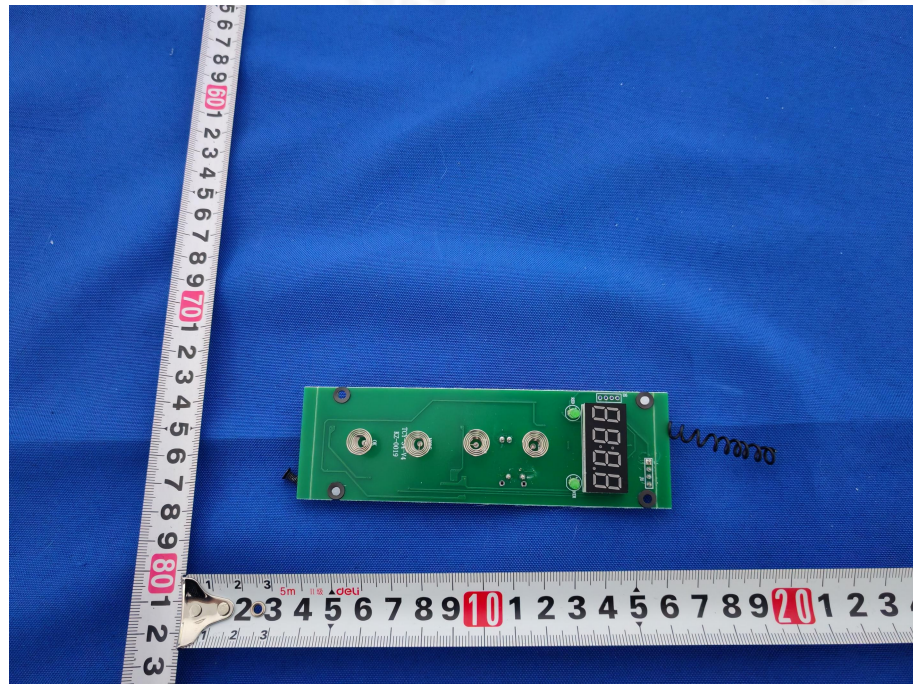
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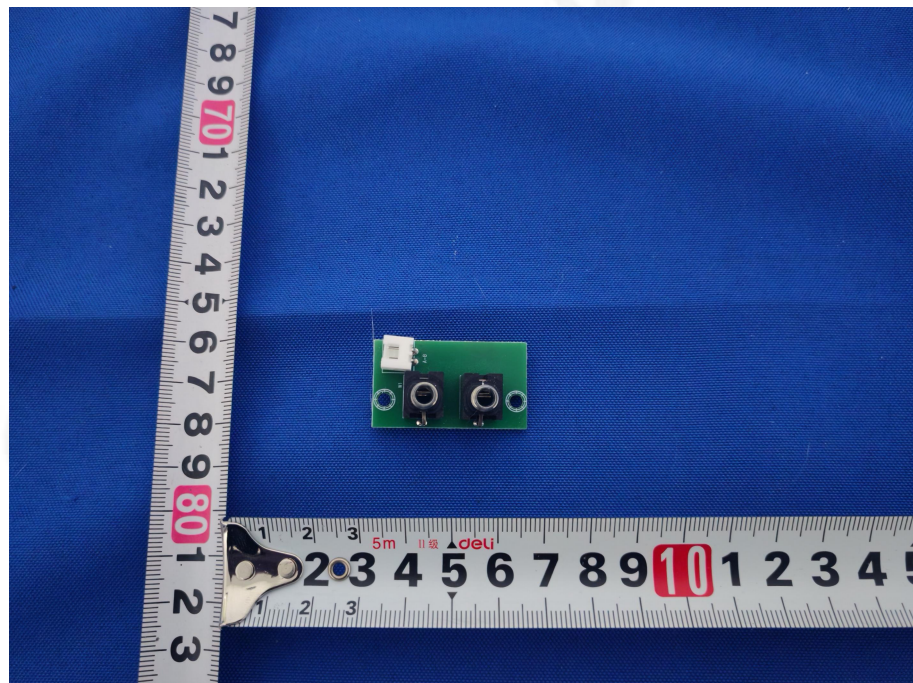
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9.



10.





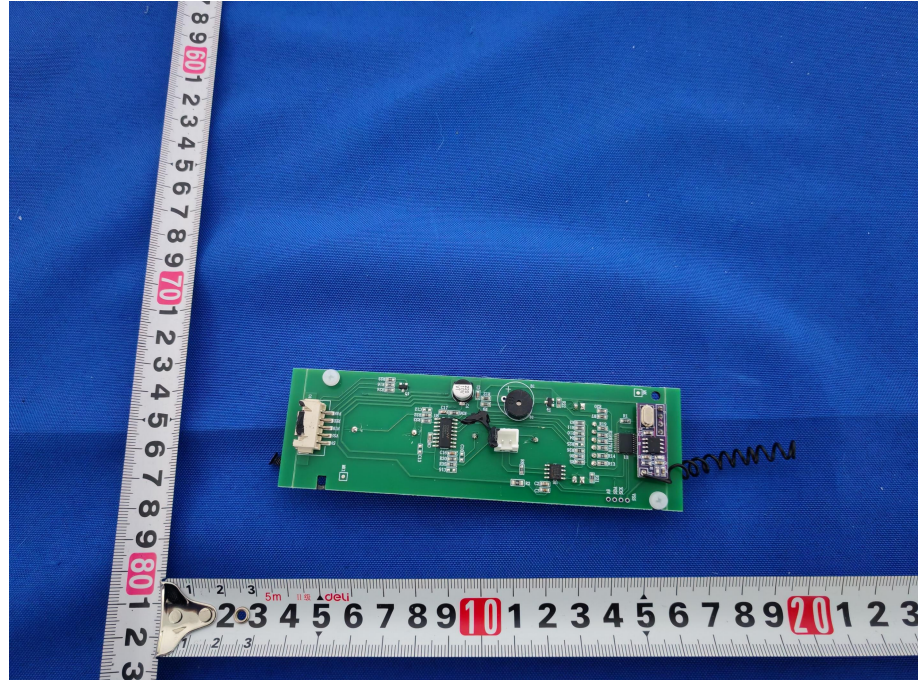
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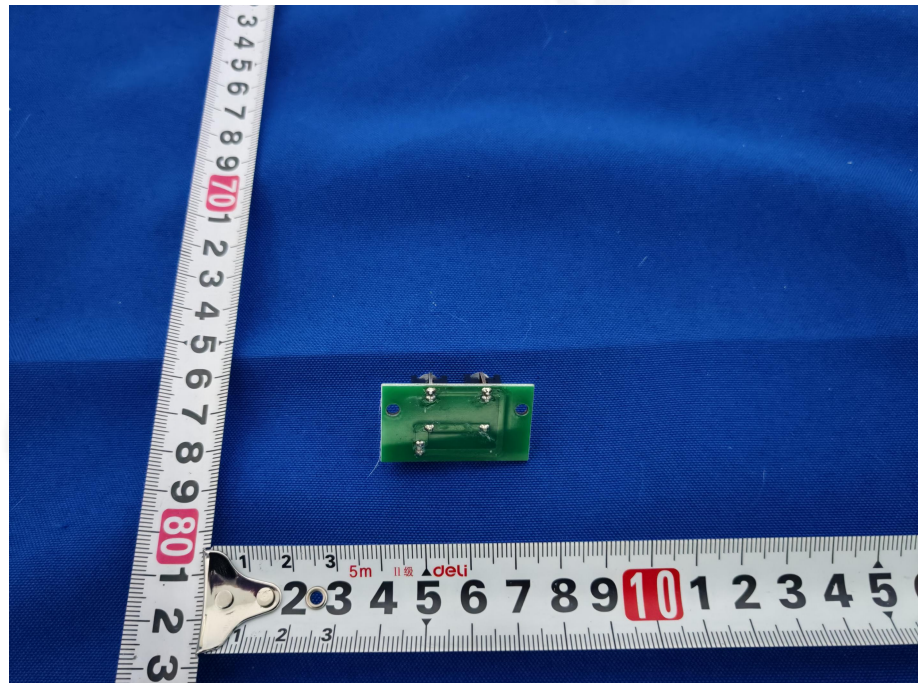
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11.



12.





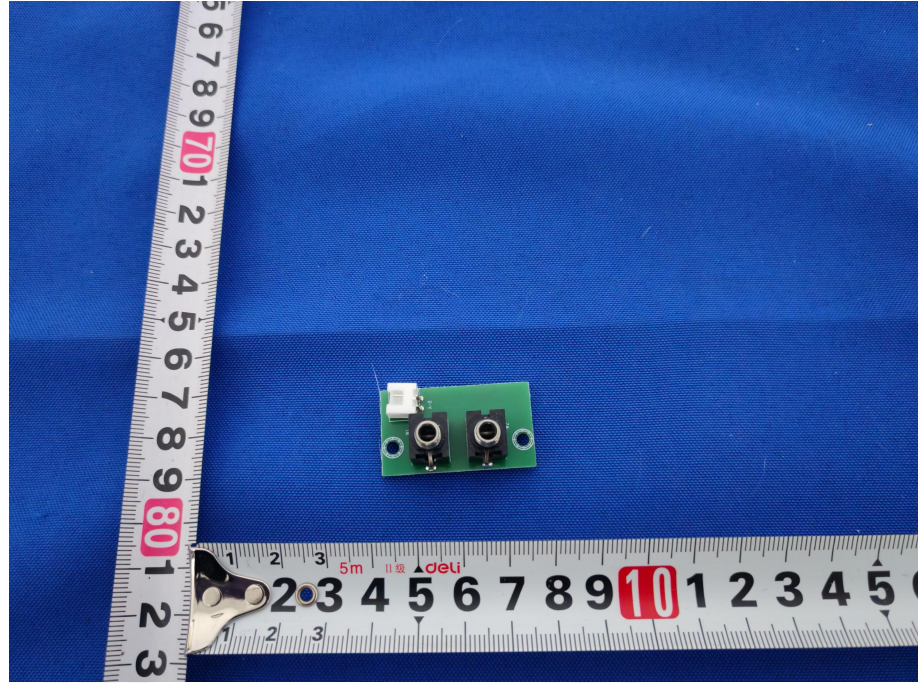
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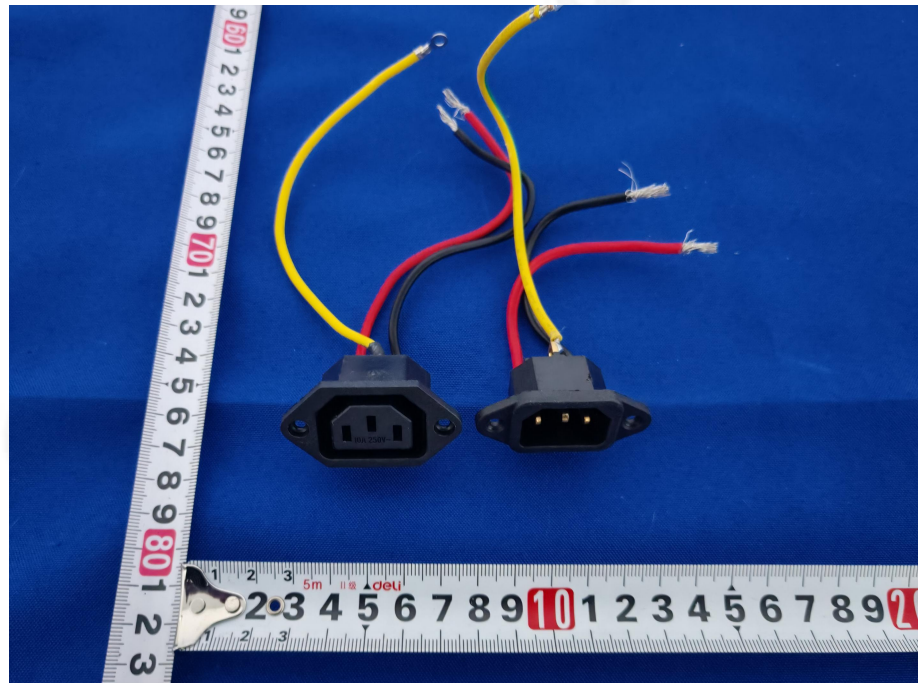
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13.



14.





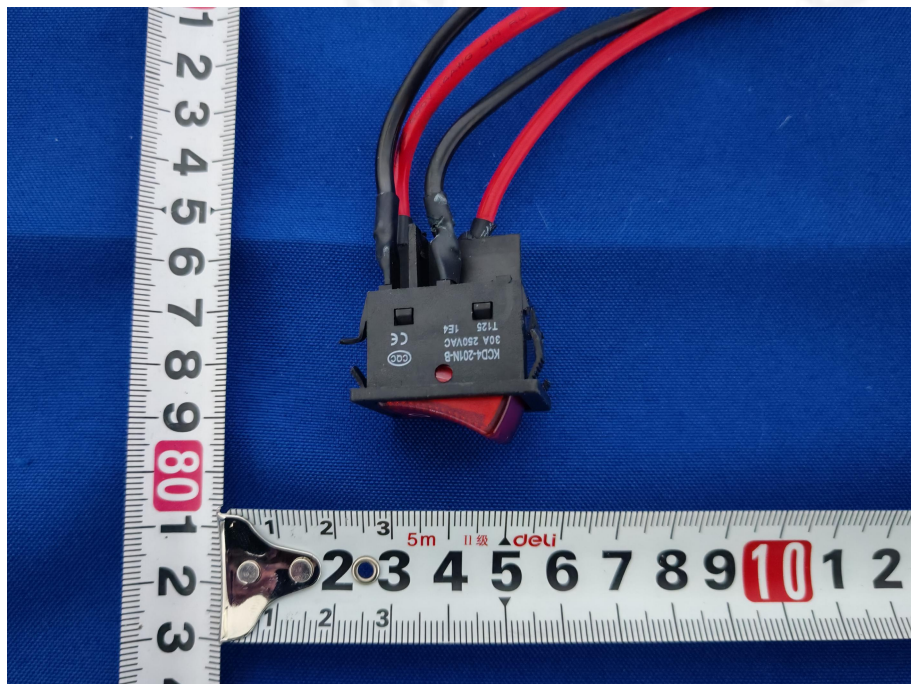
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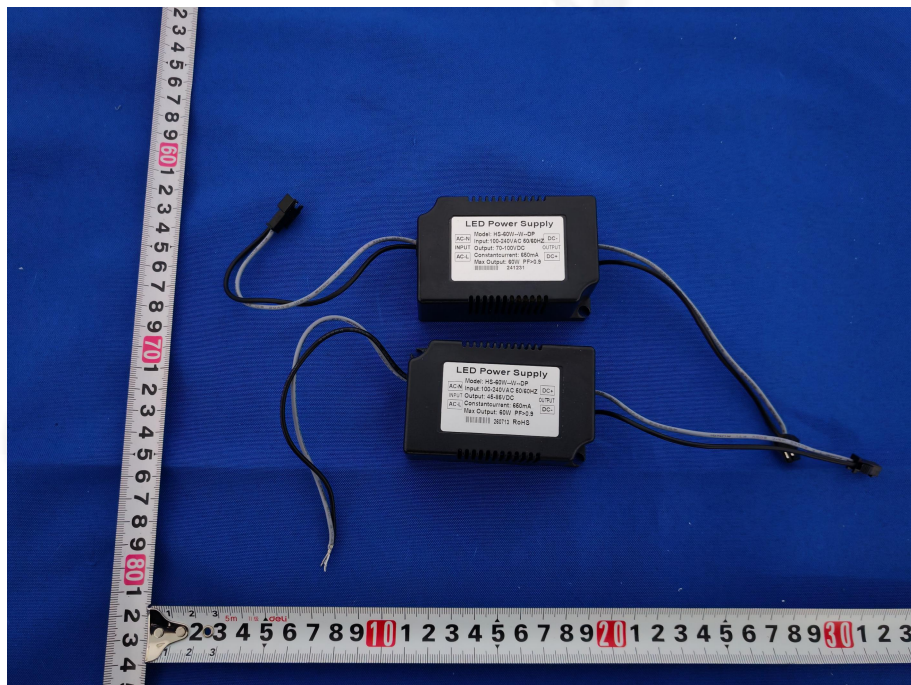
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15.



16.





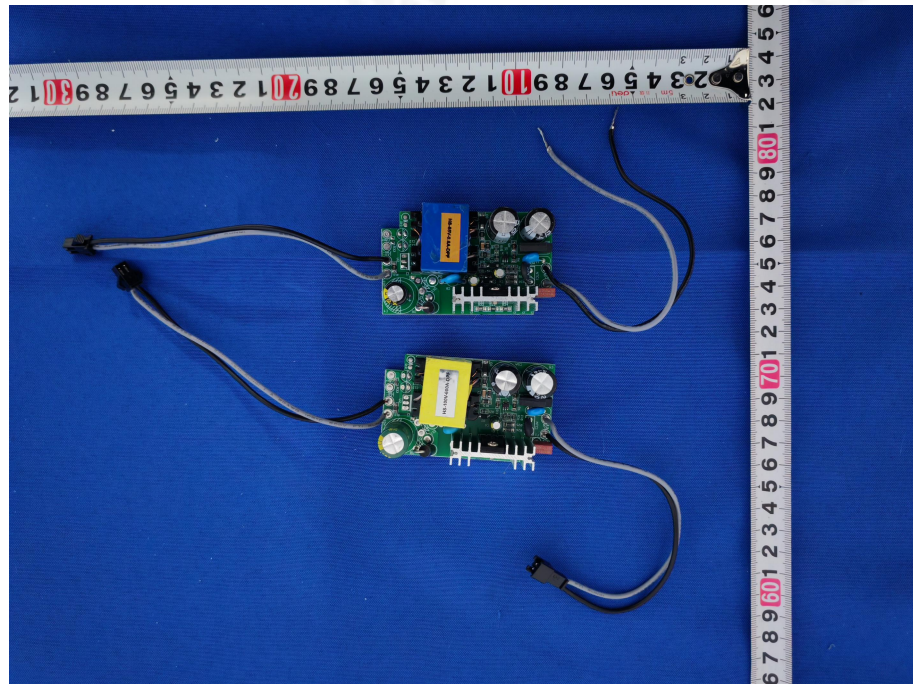
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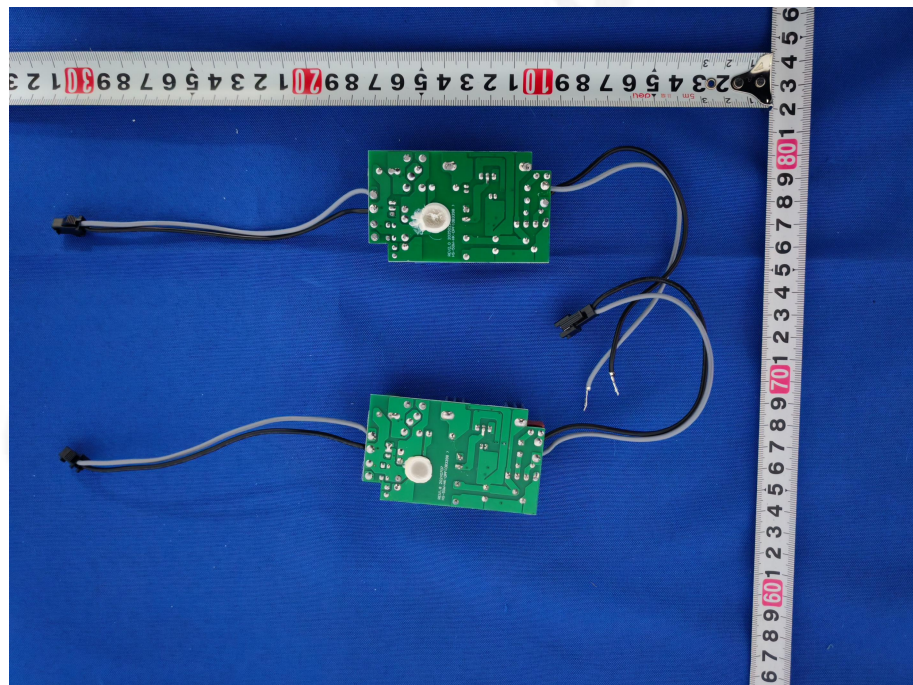
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17.



18.





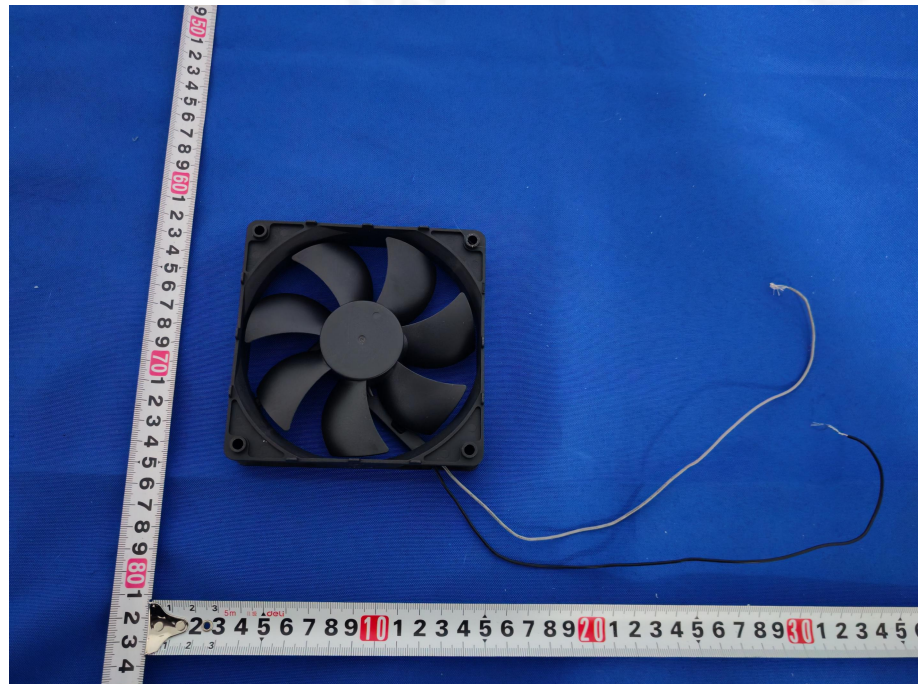
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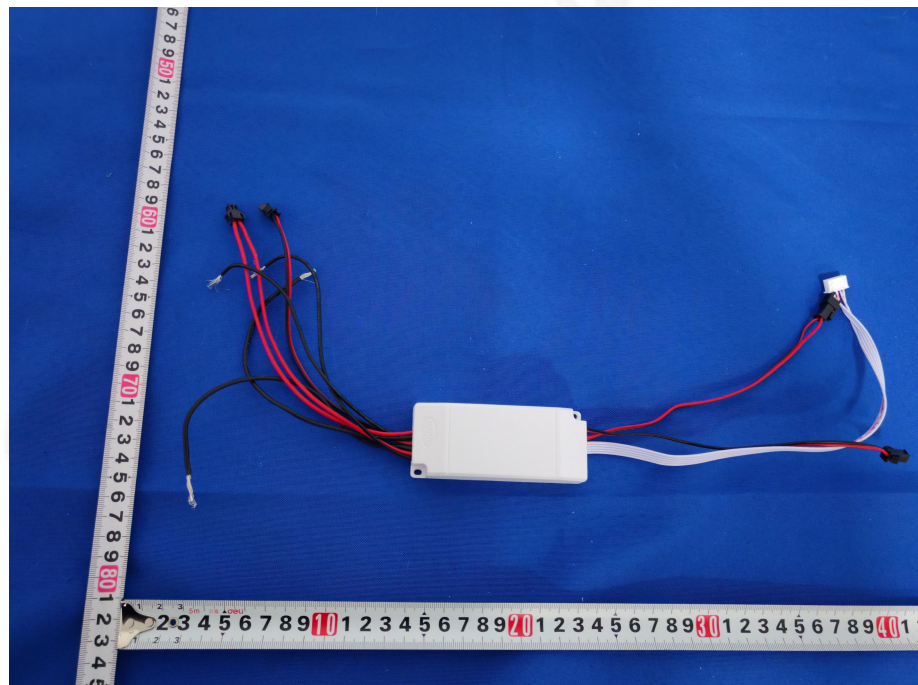
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20.





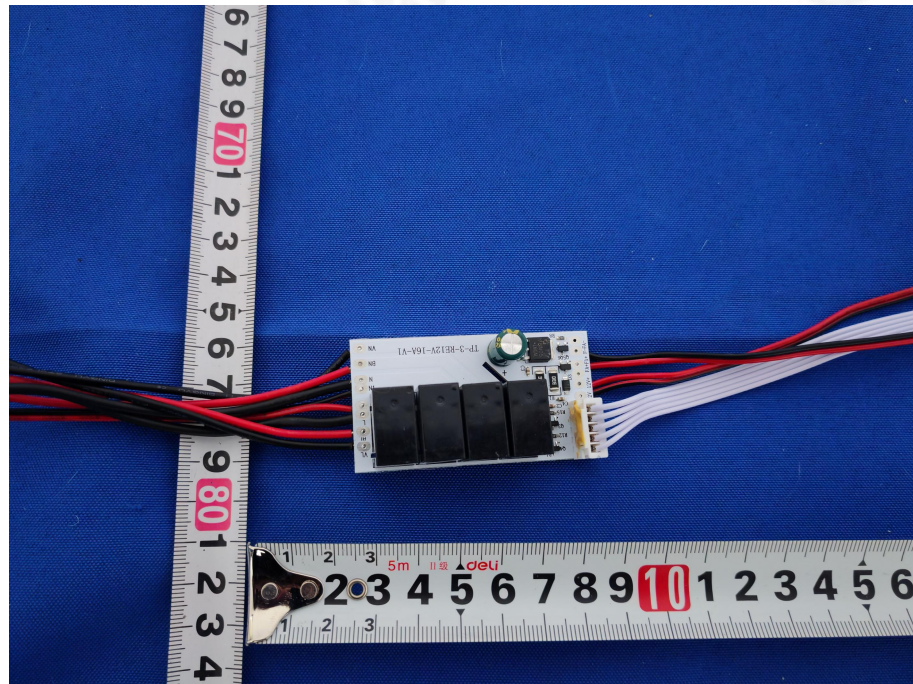
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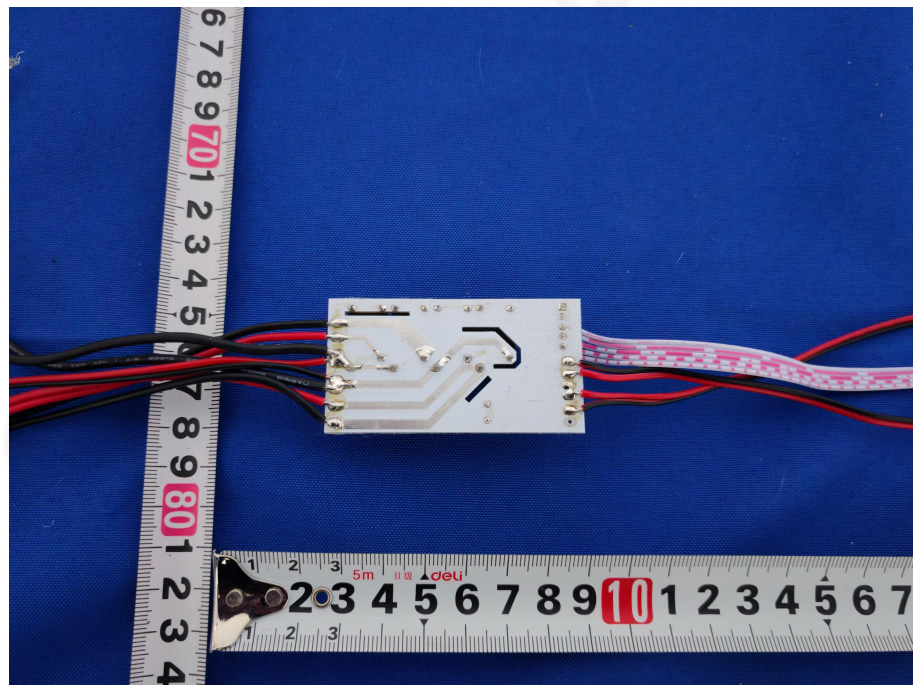
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21.



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Statement

1. The information as listed on the first page of this test report was all provided by the client except the received date, testing period, test result(s) and test request. The client shall be responsible for the representativeness of sample and authenticity of materials, for which Shenzhen ZKT Technology Co., Ltd. shall bear no responsibilities.
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