

No.: 240703070GZU-001 Date : Jul 31, 2024

XRF Screening And Chemical Confirmation Test Report

Applicant: UNI-TREND TECHNOLOGY (CHINA) CO., LTD.

No 6, Gong Ye Bei 1 st Road, Songshan Lake National High-Tech Industrial Development Zone, Dongguan, Guangdong Province, China

Sample Description:

The following submitted sample(s) said to be:

Item Name	:	Professional Thermal Imager
Model No.	:	UTi160S
Date of Sample Received	:	Jul 4, 2024 & Jul 23, 2024
Testing Period	:	Jul 4, 2024 to Jul 26, 2024

Tests conducted:

As requested by the applicant, refer to following page(s) for details.

Conclusion:

Tested Sample	Standard	Result
Tested components of submitted sample	Screening by XRF spectroscopy and chemical confirmation test for RoHS Directive 2011/65/EU and (EU) 2015/863	Pass

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch: Prepared by:

Bryrehei

Bryce Lai Project Engineer



Reviewed by:

Mana

Michael Pang Asst. Technical Supervisor





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Certain Hazardous Substance in Electrical and Electronic Equipment

Cadmium (Cd), Lead (Pb), Mercury (Hg), Chromium (Cr) and Bromine (Br) content were measured with reference to IEC 62321-3-1 Edition 1.0: 2013 by XRF spectroscopy and chemical confirmation test for RoHS restricted substances. And Polybrominated Biphenyls (PBBs),Polybrominated Diphenyl Ethers (PBDEs) and Phthalates content were determined by Gas Chromatographic-Mass Spectrometric (GC-MS).

(A) Results:

Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
	Cd	ND		
	Pb	ND		
	Hg	ND	NA	NT
	Cr	ND		
1	Br	ND		
	DEHP		Р	
	BBP	NA	Р	NT
	DBP	INA	Р	
	DIBP		Р	7
	Cd	ND		
Ē	Pb	ND	1	
	Hg	ND	NA	NT
	Cr	ND		
2	Br	ND		
	DEHP	NA P NA P		
	BBP		Р	
	DBP		Р	– NT
	DIBP		Р	7
	Cd	ND		
	Pb	ND		
	Hg	ND	NA	NT
	Cr	ND		
3	Br	ND		
	DEHP		Р	
	BBP		Р	-
	DBP	NA	Р	– NT
	DIBP		Р	1
	Cd	ND		
ľ	Pb	ND	1	
	Hg	ND	NA	NT
	Cr	ND	1	
4	Br	ND	1	
ľ	DEHP		Р	
	BBP	N 1 4	Р	1
	DBP	NA	Р	– NT
	DIBP		Р	1

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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
	Cd	ND		
	Pb	ND		
	Hg	ND	NA	Cr ⁶⁺ : Negative
-	Cr	Inconclusive		
5	Br	NT	1	
	DEHP			
	BBP	NIA		
	DBP	NA	NA	NA
-	DIBP			
	Cd	ND		
-	Pb	ND		
-	Hg	ND	NA	NT
-	Cr	ND	1	
6	Br	ND	1	
Ũ	DEHP		Р	
-	BBP		P	-
-	DBP	NA	P	- NT
-	DIBP		P	-
	Cd	ND	•	
-	Pb	>1300mg/kg	-	
-		ND	NA	Pb:25974mg/kg [#]
-	Hg			PD.25974(1)g/Kg
7	Cr Br	ND NT	-	
<i>'</i>	DEHP	INI		
-			NA NA	
-	BBP	NA NA		NA
-	DBP			
	DIBP			
-	Cd	ND	-	
-	Pb	ND		NIT
ŀ	Hg	ND	NA	NT
	Cr	ND	4	
8	Br	ND		
	DEHP		P	4
	BBP	NA	P	- NT
	DBP		P	4
	DIBP		Р	
	Cd ND		4	
	Pb	ND	NA	
	Hg	ND		NT
	Cr ND			
9	Br	ND		
	DEHP		Р	
	BBP	NA	Р	- NT
	DBP	INA	Р	INT
-	DIBP		Р	







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	Cd	ND		
	Pb	ND		
	Hg	ND	NA	NT
	Cr	ND	1	
10	Br	ND		
-	DEHP		Р	
	BBP		Р	- - -
	DBP	NA	Р	- NT
-	DIBP		Р	7
	Cd	ND		
	Pb	ND		
	Hg	ND	NA	NT
-	Cr	ND	1	
11	Br	ND	-	
	DEHP		Р	
	BBP		P	-
-	DBP	NA	P	- NT
_	DIBP		P	_
		ND	F	
-	Cd	ND	-	
-	Pb	ND		NT
-	Hg	ND	NA	NT
40	Cr	ND	-	
12	Br	ND		
-	DEHP			ND
_	BBP	NA	NT	ND
-	DBP			ND
	DIBP			ND
_	Cd	ND		
_	Pb	ND		
_	Hg	ND	NA	NT
_	Cr	ND		
13	Br	ND		
	DEHP			ND
	BBP	NA	NT	ND
	DBP			ND
	DIBP			ND
	Cd	ND		
Γ	Pb	>1300mg/kg		
Γ	Hg	ND	NA	Pb:22401mg/kg [#]
F	Cr	ND		
14	Br	NT	1	
F	DEHP			
F	BBP	N 1 4		
F	DBP	NA	NA	NA
F	DIBP			

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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
	Cd	ND		
	Pb	>1300mg/kg		
	Hg	ND	NA	Pb:19639mg/kg [#]
	Cr	ND		
15	Br	NT		
	DEHP			
	BBP	N 1 A		
	DBP	NA	NA	NA
	DIBP			
	Cd	ND		
-	Pb	>1300mg/kg	-	
	Hg	ND	NA	Pb:20682mg/kg [#]
F	Cr	ND	1	
16	Br	NT	-	
	DEHP			
	BBP			
-	DBP	NA	NA	NA
	DIBP			
	Cd	ND		
	Pb	ND	-	
		ND	NA	NT
	Hg Cr	ND		
17			-	
17	Br	NT		
-	DEHP		NA NA	
-	BBP	NA		NA NA
-	DBP			
	DIBP			
-	Cd	ND	-	
	Pb	ND	-	
-	Hg	ND	NA	NT
10	Cr	ND	-	
18	Br	ND		
-	DEHP		P	_
-	BBP	NA	Р	- NT
-	DBP		Р	_
	DIBP		Р	
Ļ	Cd	ND	4	
	Pb	ND	4	
	Hg	ND	NA	NT
	Cr	ND		
19	Br	ND		
	DEHP			ND
	BBP	NA	NT	ND
Γ	DBP	INA		ND
Ē	DIBP			ND

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	Cd	ND		
	Pb	ND		
	Hg	ND	NA	NT
	Cr	ND	1	
20	Br	ND		
	DEHP			ND
	BBP	N 1 A		ND
	DBP	NA	NT	ND
	DIBP			ND
	Cd	ND		
	Pb	ND		
	Hg	ND	NA	PBBs : ND
_	Cr	ND		PBDEs : ND
21	Br	Inconclusive		
	DEHP	moonolaoivo	Р	
-	BBP		P	-
	DBP	NA	P	- NT
	DIBP		P	-
	Cd	ND		
-	Pb ND			
-		NA	NT	
-	Hg Cr	ND		INI
22	Br	ND	-	
22	DEHP		P	
	BBP		P	-
		NA	NA P	– NT
	DBP		P P	-
	DIBP	ND	P	
-	Cd	ND	-	
-	Pb	ND		NT
-	Hg	ND	NA	NT
00	Cr	ND	-	
23	Br	ND		ND
F	DEHP			ND
F	BBP	NA	NT	ND
-	DBP			ND
	DIBP			ND
-	Cd	ND	-	
Ļ	Pb	ND	4	
Ļ	Hg	ND	NA	NT
F	Cr	ND	4	
24	Br	NT		
	DEHP			
	BBP	NA	NA	NA
	DBP			NA
	DIBP			

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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
	Cd	ND		
	Pb	ND		
Γ	Hg	ND	NA	PBBs : ND PBDEs : ND
	Cr	ND		PBDES : ND
25	Br	Inconclusive		
	DEHP		Р	
F	BBP		Р	_
F	DBP	NA	Р	- NT
F	DIBP		Р	-
	Cd	ND		
-	Pb	ND	-	
	Hg	ND	NA	NT
	Cr	ND		
26	Br	ND	-	
20	DEHP	ND	Р	
_	BBP		P	-
-		NA	P P	- NT
	DBP		<u>Р</u> Р	-
	DIBP	ND	P	
-	Cd	ND	-	
-	Pb	ND		
Ļ	Hg	ND	NA	NT
_	Cr	ND	_	
27	Br	ND		
	DEHP		Р	
	BBP	NA	NA	- NT
	DBP		Р	
	DIBP		Р	
	Cd	ND		
	Pb	ND		
	Hg	ND	NA	NT
	Cr	ND		
28	Br	ND		
	DEHP		Р	
F	BBP		Р	1
F	DBP	NA	Р	- NT
F	DIBP		 P	-
	Cd	ND	· ·	
-	Pb	ND	1	
ŀ	Hg	ND	NA	NT
F	Cr	ND		
29	Br	ND	4	
23	DEHP		Р	
F			<u>Р</u>	-
ŀ	BBP	NA	<u>Р</u> Р	- NT
F	DBP			4
DI	DIBP		Р	

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	Cd	ND		
	Pb	ND		
	Hg	ND	NA	NT
	Cr	ND		
30	Br	ND		
	DEHP		Р	
	BBP	NIA	Р	
	DBP	NA	Р	- NT
	DIBP		Р	
	Cd	ND		
	Pb	ND		
	Hg	ND	NA	NT
	Cr	ND		
31	Br	ND	1	
	DEHP		Р	
	BBP	N I A	Р	NIT.
	DBP	NA	Р	- NT
	DIBP		Р	7
	Cd	ND		
	Pb	ND	1	
	Hg	ND	NA	NT
	Cr	ND	1	
32	Br	ND		
	DEHP	NA P NA P		
_	BBP			<u>-</u>
	DBP		- NT	
	DIBP		Р	1
	Cd	ND		
_	Pb	ND		
_	Hg	ND	NA	NT
F	Cr	ND	1	
33	Br	ND	1	
	DEHP		Р	
F	BBP		P	1
F	DBP	NA	P	- NT
F	DIBP		P	1
	Cd	ND	•	
F	Pb	ND	1	
-	Hg ND NA	NT		
	Cr	ND	1	
34	Br	ND	1	
Ŭ ſ	DEHP		Р	
-	BBP		P	1
F	DBP	NA	P	- NT
-	DBP		P	-
			Г	





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	Cd	ND		
	Pb	ND		
	Hg	ND	NA	NT
	Cr	ND	1	
35	Br	ND		
	DEHP	NA	Р	
	BBP		Р	
	DBP		Р	- NT
	DIBP		Р	7
	Cd	ND		
	Pb	ND		
	Hg	ND	NA	NT
	Cr	ND	1	
36	Br	NT		
	DEHP			
	BBP			
	DBP	NA	NA	NA
	DIBP			
	Cd	ND	-	
	Pb	ND		
	Hg	ND	NA	PBBs : ND
	Cr	ND	1	PBDEs : ND
37	Br	Inconclusive	-	
	DEHP	moonolaoivo	Р	
	BBP		P	-
-	DBP	NA	 P	– NT
-	DIBP		 P	-
	Cd	ND		
-	Pb	ND	-	
ŀ	Hg	ND	NA	PBBs : ND
	Cr	ND		PBDEs : ND
38a	Br	Inconclusive	1	
000	DEHP	moonolusive		ND
ŀ	BBP			ND
	DBP	NA	NT	ND
ŀ	DIBP			ND
	Cd	ND		
	Pb	ND	-	
	PDNDHgNDNACrND	ΝΑ	NT	
38b	Br	NT	4	
000	DEHP	111		
	BBP			
F	DBP	NA	NA	NA
	DBP			
	UIDP			

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	Cd NE	ND		
	Pb	ND		
	Hg	ND	NA	
	Cr	ND		PBDEs : ND
38c	Br	Inconclusive		
ľ	DEHP		Р	
	BBP		Р	1
Ē	DBP	NA	Р	- NT
	DIBP		Р	-
	Cd	ND		
	Pb	ND	-	
-	Hg	ND	NA	PBBs : ND
	Cr	ND	-	PBDEs : ND
39	Br	Inconclusive	-	
00	DEHP	Inconclusive		ND
	BBP			ND
-	DBP	NA	NT	ND
				ND
	DIBP	ND		
	Cd	ND	_	
-	Pb	ND		
-	Hg	ND	NA	NT
-	Cr	ND	-	
40a	Br	ND	_	
	DEHP		P	_
	BBP	NA P	- NT	
	DBP		P	_
	DIBP		Р	
-	Cd	ND		
-	Pb	ND		
	Hg	ND	NA	NT
	Cr	ND		
40b	Br	ND		
	DEHP		Р	
Ī	BBP	NI A	Р	NIT
Ē	DBP	NA	Р	- NT
Ē	DIBP		Р	7
	Cd	ND		
ľ	Pb	ND	1	
Hg	ND	NA	NT	
	Cr	ND	1	
41	Br	ND	1	
•••	DEHP		Р	
	BBP		P	1
	DBP	NA	P	- NT
			P	-
DIBP	DIRA			

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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
	Cd	ND		
	Pb	ND		
	Hg	ND	NA	NT
	Cr	ND		
42	Br	ND		
	DEHP		Р	
	BBP	NIA	Р	
	DBP	NA	Р	- NT
	DIBP		Р	-
	Cd	ND		
	Pb	ND		
	Hg	ND	NA	NT
	Cr	ND		
43	Br	ND		
	DEHP		Р	
	BBP		Р	-
	DBP	NA	Р	- NT
F	DIBP		P	-
	Cd	ND		
-	Pb	ND	-	
-	Hg	ND	NA	NT
	Cr	ND		
44	Br	ND	-	
	DEHP	ND	Р	
	BBP	P		-
	DBP	NA	P	- NT
-	DIBP		P	-
	Cd	ND	•	
	Pb	ND	-	
-	Hg	ND	NA	NT
-	Cr	ND		
45	Br	NT	4	
	DEHP	141		
ŀ	BBP			
ŀ	DBP	NA	NA	NA
	DIBP			
	Cd	ND		
ŀ	Pb	ND	4	
	Hg	ND	NA	PBBs : ND
	Cr	ND		PBDEs : ND
46	Br	Inconclusive	4	
40	DEHP	Inconclusive	Р	
ŀ	BBP		P	-
ŀ	DBP	NA	P P	- NT
ŀ			<u>Р</u> Р	-
	DIBP		۲	<u> </u>







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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
	Cd	ND	_	
	Pb	ND		
	Hg	ND	NA	NT
	Cr	ND	-	
47	Br	ND		
_	DEHP		Р	
_	BBP		Р	- - NT
_	DBP	NA	P	
	DIBP		P	-
	Cd	ND		
	Pb	ND	-	
	Hg	ND	NA	NT
	Cr	ND		
48a	Br	ND	-	
704	DEHP		P	
F	BBP		P	NT
-	DBP	NA	P	
-	DIBP		P P	_
		ND	Г	
-	Cd		NA	NT
-	Pb	ND		
	Hg	ND		
10	Cr	ND		
48b	Br	ND		
_	DEHP	NA -	P	4
_	BBP		Р	- NT
_	DBP		Р	_
	DIBP			
_	Cd	ND	NA	NT
	Pb	ND		
_	Hg	ND		
_	Cr	ND		
49	Br	NT		
	DEHP			NA
	BBP	NA	NA	
	DBP			
	DIBP			
50	Cd	ND	ND ND NA	PBBs : ND PBDEs : ND
	Pb			
	Hg	ND		
	Cr	ND		
	Br	Inconclusive		
	DEHP		Р	
	BBP	NIA	Р	
	DBP	NA	Р	- NT
-	DIBP		Р	1

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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
	Cd	ND		
	Pb	ND		
	Hg	ND	NA	NT
	Cr	ND		
51	Br	ND		
	DEHP			ND
	BBP			ND
	DBP	NA	NT	ND
	DIBP			ND
	Cd	ND		
-	Pb	ND	-	
	Hg	ND	NA	NT
-	Cr	ND	-	
52	Br	ND	-	
52		ND		ND
-	DEHP			ND
-	BBP	NA	NT	
	DBP			ND
	DIBP			ND
-	Cd	ND	NANT	
	Pb	ND		
_	Hg	ND		NT
	Cr	ND		
53	Br	ND		
	DEHP	NA	Р	
	BBP		Р	- NT
	DBP		Р	_
	DIBP		Р	
	Cd	ND		
	Pb	ND		
	Hg	ND		NT
	Cr	ND		
54	Br	ND		
	DEHP		P	
	BBP		Р	- NT
	DBP	NA	Р	
-	DIBP		P	
	Cd	ND	NA	NT
ŀ	Pb	ND		
	Hg	ND		
55	Cr	ND		
	Br	ND	4	
55	DEHP			ND
ŀ				ND
ŀ	BBP	NA	NT	ND
ŀ	DBP			
	DIBP			ND

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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
	Cd	ND		
	Pb	ND		
F	Hg	ND	NA	NT
_	Cr	ND		
56	Br	ND		
F	DEHP		Р	
F	BBP		Р	NT
F	DBP	NA	Р	
F	DIBP		Р	
	Cd	ND		
F	Pb	ND	-	
	Hg	ND	NA	NT
	Cr	ND	-	
57	Br	ND	1	
5,	DEHP			ND
F	BBP			ND
-	DBP	NA	NT	ND
	DIBP			ND
	Cd	ND		
-			NA	NT
-	Pb	ND ND		
-	Hg	ND		
F 0	Cr	ND	-	
58	Br	ND		
_	DEHP	NA	P	4
-	BBP		P	- NT
-	DBP		Р	4
	DIBP		Р	
_	Cd	ND	-	
_	Pb	ND	-	
_	Hg	ND	NA	NT
_	Cr	ND		
59	Br	NT		
	DEHP	NA	NA	NA
_	BBP			
_	DBP			
	DIBP			
	Cd	ND	NA	NT
	Pb	ND		
	Hg	ND		
Γ	Cr	ND		
60	Br	ND		
Γ	DEHP			ND
F	BBP		NT	ND
F	DBP	NA		ND
F	DIBP			ND

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Total Quality, Assured

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Screened Components	Items	XRF Results	Screened Results(phthalates)	Chemical Confirmation Result
	Cd	ND		
	Pb	ND		
	Hg	ND	ND ND	NT
	Cr	ND		
61	Br	ND		
	DEHP	NIA		ND
	BBP			ND
	DBP	INA	NT	ND
	DIBP			ND

ND = Not detected

NT = Not tested

NA = Not applicable

Negative = The Cr (VI) concentration is less than 0.10 μ g/cm².The sample is negative for Cr (VI).

Remark:

(#) = As claimed by the declaration submitted from the applicant, the Lead content of the component comes from Copper alloy only. According to EU RoHS Directive (2011/65/EU) Annex III 6(c), Lead in Copper alloy containing up to 4% (40,000 mg/kg) Lead by weight can be exempted.

(B) Screening Limits

(B1). XRF Screening Limits in mg/kg for Regulated Elements in Various Matrices

Element	Polymer Materials	Metallic Materials	Composite Materials
Cd	P ≤ 70 < X < 130 ≤ F	P ≤ 70 < X < 130 ≤ F	P ≤ 70 < X < 150 ≤ F
Pb	P ≤ 700 < X < 1300 ≤ F	P ≤ 700 < X < 1300 ≤ F	P ≤ 500 < X < 1500 ≤ F
Hg	P ≤ 700 < X < 1300 ≤ F	P ≤ 700 < X < 1300 ≤ F	P ≤ 500 < X < 1500 ≤ F
Cr	P ≤ 700 < X	P ≤ 700 < X	P ≤ 500 < X
Br	P ≤ 300 < X	Not applicable	P ≤ 250 < X

XRF spectrometry provides information on the total quantity of each element present in the sample, but does not identify compounds or valence states of the elements. Therefore, special attention shall be paid when screening for chromium and bromine, where the result will reflect only the total chromium and total bromine present. The presence of Cr(VI) or the brominated flame retardants PBB or PBDE shall be confirmed by a verification test procedure.

P = PassX = Inconclusive result F = Fail mg/kg = milligram per kilogram = ppm

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Total Quality. Assured.

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(B2). Preliminary screening test will used for phthalates, if the results exceed the warning area in the following table, further chemical methods will conduct to confirm the exact content by GC/MS.

Phthalates	Polymer
Bis(2-ethylhexyl) phthalate (DEHP)	P ≤ 600 < X
Butyl benzyl phthalate (BBP)	P ≤ 600 < X
Dibutyl phthalate (DBP)	P ≤ 600 < X
Diisobutyl phthalate (DIBP)	P ≤ 600 < X

P = Pass

X = Inconclusive result

(C) Estimated Detection Limits in mg/kg for Regulated Elements in Various Matrices

Element	Polymer Materials	Metallic Materials	Composite Materials
Cd	50	70	70
Pb	100	200	200
Hg	100	200	200
Cr	100	200	200
Br	200	Not applicable	200

Disclaimers:

This XRF Screening and Chemical Confirmation Test Report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF Screening and Chemical Confirmation Test Report is sufficient for its/his/her purposes.

The results shown in this XRF Screening and Chemical Confirmation Test Report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis is required to obtain quantitative data.

th t, Guangzhou, China rtek.com

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Total Quality. Assured.

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(D) Chemical Test Methods:

Test Item	Test Method	Detection Limit
Cadmium (Cd) Content	With reference to IEC 62321-5 Edition 1.0: 2013, by acid digestion and determined by ICP - OES	10 mg/kg
Lead (Pb) Content	With reference to IEC 62321-5 Edition 1.0: 2013, by acid digestion and determined by ICP - OES	10 mg/kg
Mercury (Hg) Content	With reference to IEC 62321-4 Edition 1.1: 2017, by acid digestion and determined by ICP - OES	10 mg/kg
Chromium (VI)(Cr ⁶⁺) Content	With reference to IEC 62321-7-2 Edition 1.0: 2017, Hexavalent chromium – Determination of hexavalent chromium (Cr(VI) in polymers and electronics by the colorimetric method	10 mg/kg
Chromium (VI) (Cr ⁶⁺) Content	With reference to IEC 62321-7-1 Edition 1.0: 2015, by boiling water extraction and determined by UV-VIS spectrophotometer	0.10 μg/cm²
Polybrominated Biphenyls (PBBs) Content	With reference to IEC 62321-6 Edition 1.0: 2015, by solvent extraction and determined by GC/MS and further HPLC confirmation when necessary	100 mg/kg for single compound
Polybrominated Diphenyl Ethers (PBDEs) Content	With reference to IEC 62321-6 Edition 1.0: 2015, by solvent extraction and determined by GC/MS and further HPLC confirmation when necessary	100 mg/kg for single compound
Phthalates (DEHP, BBP, DBP, DIBP) Content	With reference to IEC 62321-8 Edition 1.0: 2017, by solvent extraction and determined by GC/MS	100 mg/kg for single compound

(E) 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)
Phthalates (DEHP, BBP, DBP, DIBP)	0.1% (1000 mg/kg)

The above limits were quoted from 2011/65/EU and (EU) 2015/863 for homogeneous material.

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Screened components:

- (1) Black plastic
- (2) Silvery plastic label with black/yellow printing
- (3) Silvery plastic label with black/white printing
- (4) Red soft plastic
- (5) Black treated metal(screw)
- (6) Red soft plastic
- (7) Golden metal
- (8) Red plastic
- (9) Black soft plastic
- (10) Black soft plastic
- (11) Transparent plastic with black printing
- (12) Black foam with double sided adhesive tape
- (13) Black soft plastic
- (14) Golden metal
- (15) Golden metal
- (16) Golden metal
- (17) Solder
- (18) Green PCB
- (19) Red soft plastic(wire covering)
- (20) Black soft plastic(wire covering)
- (21) Black plastic
- (22) Black plastic
- (23) Brown FPC
- (24) Solder
- (25) Black PCB
- (26) Black body with silvery metal(SMD IC)
- (27) Black body with silvery metal(SMD triode)
- (28) Black soft plastic
- (29) Transparent plastic
- (30) Black body with silvery metal(SMD diode)
- (31) Black plastic
- (32) Black plastic
- (33) Beige plastic
- (34) Black plastic
- (35) Black body with silvery metal(SMD IC)
- (36) Solder
- (37) Green PCB
- (38) Buzzer
- (38a) Black plastic
- (38b) Solder
- (38c) Green PCB
- (39) White FPC

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- (40) Switch
- (40a) Black plastic
- (40b) Black plastic
- (41) Beige plastic
- (42) Black body with silvery metal(SMD IC)
- (43) Black body with silvery metal(SMD IC)
- (44) Black body with silvery metal(SMD IC)
- (45) Solder
- (46) Green PCB
- (47) Grey soft plastic with white printing
- (48) Switch
- (48a) Black plastic
- (48b) Black plastic
- (49) Solder
- (50) Green PCB
- (51) Black double sided adhesive tape
- (52) White plastic
- (53) White soft plastic
- (54) Transparent plastic
- (55) Semi-transparent white soft plastic
- (56) Silvery soft plastic
- (57) Transparent black plastic
- (58) Transparent plastic & white fiberboard with yellow coating & silvery metal (SMD LED)
- (59) Solder
- (60) Brown FCB
- (61) Black FCB





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Sample photo





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