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

Address : No 6, Gong Ye Bei 1 st Road, Songshan Lake National High-Tech Industrial

Development Zone, Dongguan City, Guangdong Province, China

Sample Name : PEN TYPE METER

Style/Item No. : UT118C

Received Date : Aug. 29, 2023

Test Period Aug. 29, 2023 ~ Sep. 22, 2023

Test Requested As requested by the client, to evaluate the compliance of the submitted sample with

> EU RoHS Directive 2011/65/EU Annex II and its amendment (EU) 2015/863 on the restriction of the use of certain hazardous substances in electrical and electronic

equipment.

1. Review was performed for the sample and the related Bill of Materials submitted **Test Method**

by the Applicant.

2. a) Refer to the standard IEC 62321-3-1:2013: Screening by XRF Spectroscopy.

b) Wet chemical test

1) Refer to IEC 62321-5:2013, determine the Cadmium, Lead content by ICP-OES.

2) Refer to IEC 62321-4:2013+A1:2017, determine the Mercury content by ICP-OES:

3) Refer to IEC 62321-7-1:2015 & IEC 62321-7-2:2017, determine the Hexavalent Chromium content by UV-VIS.

4) Refer to IEC 62321-6:2015, determine the Polybrominated Biphenyls and Polybrominated Diphenyl Ethers by GC-MS.

Refer to IEC 62321-8:2017, determine the Dibutyl phthalate(DBP), Benzylbutyl phthalate(BBP), Di-2-ethylhexyl phthalate(DEHP) and Diisobutyl phthalate(DIBP) by GC-MS.

Test Results : Please refer to next page (s).





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Conclusion:

Basing on the test results obtained from the homogenous materials, the submitted sample COMPLIES with the EU RoHS Directive 2011/65/EU Annex II and its amendment (EU) 2015/863.



Prepared by:

Report Engineer

Reviewed by:

Zeng Xingji, Cindy Supervisor

Signed for and on behalf of

EMTEK(Dongguan) Co., Ltd

Approved by:

Li Wei, Lisa Authorized signatory Sep. 22, 2023





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Test Results:

1. Pb, Cd, Hg, Cr6+, PBBs, PBDEs Test Results:

No.	Sample description	Restricted substances	Analytical element	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Conclusion	Remark
		Pb	Pb	BL			
		Cd	Cd	BL			No comment
1	Black hard plastic with	Hg	Hg	BL	NA	Pass	
'	white printing	Cr ⁶⁺	Cr	BL	IVA	rass	No comment
		PBBs PBDEs	Br	BL			
		Pb	Pb	BL			
		Cd	Cd	BL			
2	Black hard	Hg	Hg	BL	NA	Pass	No comment
2	plastic	Cr ⁶⁺	Cr	BL	INA	Pass	No comment
		PBBs PBDEs	Br	BL			
	3 Red hard plastic	Pb	Pb	BL			No comment
		Cd	Cd	BL	N10	Pass	
		Hg	Hg	BL	NA		
3		Cr ⁶⁺	Cr	BL		Pass	
		PBBs	D.	Х	ND ND		
		PBDEs	Br	^			
		Pb	Pb	BL			
		Cd	Cd	BL			
4	White hard	Hg	Hg	BL	NA	Pass	No comment
	plastic	Cr ⁶⁺	Cr	BL	INA	1 433	No comment
		PBBs	Br	BL			
		PBDEs	ום	DL			
		Pb	Pb	BL			
		Cd	Cd	BL			
5	Silver metal	Hg	Hg	BL	NA	Pass	No comment
	Olivei Illetai	Cr ⁶⁺	Cr	BL	1.4/7	1 433	140 COMMINGIN
		PBBs	Br	NA			
		PBDEs	ום	14/1			





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No.	Sample description	Restricted substances	Analytical element	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Conclusion	Remark
		Pb	Pb	BL			
		Cd	Cd	BL			
6	Pod post plantin	Hg	Hg	BL	NA	Pass	No commont
0	Red soft plastic	Cr ⁶⁺	Cr	BL	IVA		No comment
		PBBs	Br	BL			
		PBDEs	ы	DL			
		Pb	Pb	BL			
	Black hard plastic with	Cd	Cd	BL			
7		Hg	Hg	BL	NIA	Dana	No commont
7	multicolor	Cr ⁶⁺	Cr	BL	NA	Pass	No comment
	printing	PBBs PBDEs	Br	BL			
		Pb	Pb	BL	NA		
		Cd	Cd	BL			
0	Black hard	Hg	Hg	BL		Dana	No commont
8	plastic with white printing	Cr ⁶⁺	Cr	BL		Pass	No comment
	winte pinning	PBBs PBDEs	Br	BL			
		Pb	Pb	BL			
		Cd	Cd	BL			
	Spring-silver	Hg	Hg	BL			
9	metal	Cr ⁶⁺	Cr	BL	NA	Pass	No comment
		PBBs	_				
		PBDEs	Br	NA			
		Pb	Pb	OL			
		Cd	Cd	BL			
4.5	Nut-copper	Hg	Hg	BL	Di cooco		0 1 6
10	metal	Cr ⁶⁺	Cr	BL	Pb:26320	Pass	See remark (3)
		PBBs					
	PBDEs	Br	NA				





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No.	Sample description	Restricted substances	Analytical element	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Conclusion	Remark
		Pb	Pb	BL			
		Cd	Cd	BL			No comment
11	Spring-silver	Hg	Hg	BL	NA	Pass	
11	metal	Cr ⁶⁺	Cr	BL	INA	Pass	No comment
		PBBs	Br	NA			
		PBDEs	ы	INA			
		Pb	Pb	BL			
		Cd	Cd	BL	NIA		
40	Black hard	Hg	Hg	BL	NA	Dana	No commont
12	plastic	Cr ⁶⁺	Cr	BL		Pass	No comment
		PBBs	D#	V	ND		
		PBDEs	Br	X	ND		
		Pb	Pb	BL	NA		No comment
		Cd	Cd	BL		Pass	
13	Silver metal with	Hg	Hg	BL			
13	black plating	Cr ⁶⁺	Cr	BL			
		PBBs	Br	NA			
		PBDEs	DI	IVA			
		Pb	Pb	BL			
		Cd	Cd	BL			
14	Plus soft plantin	Hg	Hg	BL	NA	Pass	No comment
14	Blue soft plastic	Cr ⁶⁺	Cr	BL	INA	Pass	No comment
		PBBs	D.	DI			
		PBDEs	Br	BL			
		Pb	Pb	BL			
		Cd	Cd	BL			
45	Yellow soft	Hg	Hg	BL	NIA	Door	No commant
15	plastic	Cr ⁶⁺	Cr	BL	NA	Pass	No comment
		PBBs	D.	DI			
		PBDEs	Br	BL			





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No.	Sample description	Restricted substances	Analytical element	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Conclusion	Remark
		Pb	Pb	BL			
		Cd	Cd	BL			No server
16	Copper metal	Hg	Hg	BL	NA	Pass	
16	Copper metal	Cr ⁶⁺	Cr	BL	INA		No comment
		PBBs	Br	NA			
		PBDEs	ы	INA			
		Pb	Pb	BL			
	Black soft	Cd	Cd	BL			
17		Hg	Hg	BL	NIA	Door	No comment
17	plastic	Cr ⁶⁺	Cr	BL	NA	Pass	No comment
		PBBs PBDEs	Br	BL			
		Pb	Pb	BL	NA		No comment
	Silver metal	Cd	Cd	BL		Pass	
18		Hg	Hg	BL			
10		Cr ⁶⁺	Cr	BL		Pass	
		PBBs	Br	NIA			
		PBDEs	Br	NA			
		Pb	Pb	OL			
		Cd	Cd	BL			
19	Silver metal	Hg	Hg	BL	Pb:25450	Pass	See remark (3)
19	Silver metal	Cr ⁶⁺	Cr	BL	Pb.25450	F 455	See lemark (S)
		PBBs	Br	NA			
		PBDEs	ы	INA			
		Pb	Pb	BL			
		Cd	Cd	BL			
20	Silver metal	Hg	Hg	BL	NA	Pass	No comment
20	Silver Metal	Cr ⁶⁺	Cr	BL	INA	F d55	NO COMMENT
		PBBs	Br	NA			
		PBDEs	וט	INA			





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No.	Sample description	Restricted substances	Analytical element	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Conclusion	Remark
		Pb	Pb	BL			
		Cd	Cd	BL			
21	Black hard	Hg	Hg	BL	NA	Door	No comment
21	plastic	Cr ⁶⁺	Cr	BL	INA	Pass	No comment
		PBBs	Br	BL			
		PBDEs	ы	DL			
		Pb	Pb	OL			
		Cd	Cd	BL			
22	Silver metal	Hg	Hg	BL	Pb:22517	Pass	See remark (3)
22	Silver metal	Cr ⁶⁺	Cr	BL	P0.22517	Pa55	See lemark (S)
		PBBs	Br	NA			
		PBDEs	ы	INA			
		Pb	Pb	BL	NA		No comment
	Green PCB	Cd	Cd	BL		Pass	
23		Hg	Hg	BL			
23		Cr ⁶⁺	Cr	BL		F 455	NO Comment
		PBBs	Br	X	ND ND		
		PBDEs	DI	^			
		Pb	Pb	BL			
		Cd	Cd	BL			
24	Silver metal	Hg	Hg	BL	NA	Pass	No comment
24	Silver metar	Cr ⁶⁺	Cr	BL	INA	1 033	No comment
		PBBs	Br	NA			
		PBDEs	ום	INA			
		Pb	Pb	BL			
		Cd	Cd	BL			
25	SMD IC	Hg	Hg	BL	NA	Pass	No comment
25	SIVID IC	Cr ⁶⁺	Cr	BL	INA	F d55	NO COMMENT
		PBBs	Br	BL			
		PBDEs	וט	DL			





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No.	Sample description	Restricted substances	Analytical element	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Conclusion	Remark
		Pb	Pb	BL			
		Cd	Cd	BL	NA		
26	Shell-black hard	Hg	Hg	BL	INA	Pass	No comment
20	plastic	Cr ⁶⁺	Cr	BL		Pa55	No comment
		PBBs	Br	Х	ND		
		PBDEs	ы	^	ND		
		Pb	Pb	BL			
		Cd	Cd	BL	/ / A		
0.7	Iron plate-silver	Hg	Hg	BL	NIA	Dana	No comment
27	metal	Cr ⁶⁺	Cr	BL	NA	Pass	No comment
		PBBs	D#	NA			
		PBDEs	Br	INA			
		Pb	Pb	BL	NA		No comment
		Cd	Cd	BL			
28	Vibrating membrane-	Hg	Hg	BL		Pass	
20	silver metal	Cr ⁶⁺	Cr	BL		rass	
		PBBs	D.	NIA			
		PBDEs	Br	NA			
		Pb	Pb	BL			
		Cd	Cd	BL			
29	Magnet-black	Hg	Hg	BL	NA	Pass	No comment
29	solid	Cr ⁶⁺	Cr	BL	INA	Pass	No comment
		PBBs	D.,	Ē.			
		PBDEs	Br	BL			
		Pb	Pb	BL			
		Cd	Cd	BL			
20	Aylo oilyaa aasas	Hg	Hg	BL	NIA	Dass	No comment
30	Axle-silver metal	Cr ⁶⁺	Cr	BL	NA	Pass	No comment
		PBBs	D	NI A			
		PBDEs	Br	NA			





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No.	Sample description	Restricted substances	Analytical element	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Conclusion	Remark
		Pb	Pb	BL			
		Cd	Cd	BL			
31	Coil-copper	Hg	Hg	BL	NA	Pass	No comment
31	enameled wire	Cr ⁶⁺	Cr	BL	INA	Pass	No comment
		PBBs	Br	BL			
		PBDEs	ы	DL			
		Pb	Pb	BL			
	32 Base-silver	Cd	Cd	BL			
22		Hg	Hg	BL	NA	Pass	No comment
32	metal	Cr ⁶⁺	Cr	BL	INA	Pass	No comment
		PBBs	Br	NA			
		PBDEs	ы	IVA			
		Pb	Pb	BL	NA	Pass	No comment
	Green PCB	Cd	Cd	BL			
33		Hg	Hg	BL			
33		Cr ⁶⁺	Cr	BL			
		PBBs	Br	BL			
		PBDEs	DI	DL			
		Pb	Pb	BL			
		Cd	Cd	BL			
34	Solder-silver	Hg	Hg	BL	NA	Pass	No comment
34	metal	Cr ⁶⁺	Cr	BL	INA	1 433	No comment
		PBBs	Br	NA			
		PBDEs	ום	IVA			
		Pb	Pb	BL			
		Cd	Cd	BL			
35	Pin-silver metal	Hg	Hg	BL	NA	Pass	No comment
33	Fiir-siivei iiietäi	Cr ⁶⁺	Cr	BL	INA	F 455	NO COMMENT
		PBBs	Br	NA			
		PBDEs	וט	INA			





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No.	Sample description	Restricted substances	Analytical element	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Conclusion	Remark
		Pb	Pb	BL			No comment
		Cd	Cd	BL			
36	Black solid	Hg	Hg	BL	NA	Doos	
36	Black Solid	Cr ⁶⁺	Cr	BL	INA	Pass	No comment
		PBBs	Br	BL			
		PBDEs	ы	DL			
		Pb	Pb	BL			
		Cd	Cd	BL			
37	Blue solid	Hg	Hg	BL	NA	Pass	No comment
37	Blue Solid	Cr ⁶⁺	Cr	BL	INA	Pass	No comment
		PBBs	Br	BL			
		PBDEs	ы	DL			
		Pb	Pb	BL	NA	Pass	No comment
		Cd	Cd	BL			
38	LED-transparent	Hg	Hg	BL			
30	hard plastic	Cr ⁶⁺	Cr	BL			
		PBBs	Br	BL			
		PBDEs	ы	DL			
		Pb	Pb	BL			
		Cd	Cd	BL			
39	LED-pin-silver	Hg	Hg	BL	NA	Pass	No comment
39	metal	Cr ⁶⁺	Cr	BL	INA	F a55	NO COMMENT
		PBBs	Br	NA			
		PBDEs	ы	INA			
		Pb	Pb	BL			
		Cd	Cd	BL			
40	Solder-silver	Hg	Hg	BL	NA	Pass	No comment
40	metal	Cr ⁶⁺	Cr	BL	INA	F d 3 3	NO COMMENT
		PBBs	Br	NA			
		PBDEs	DI	INA			





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No.	Sample description	Restricted substances	Analytical element	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Conclusion	Remark
		Pb	Pb	BL			
		Cd	Cd	BL			
41	Black tube	Hg	Hg	BL	NA	Pass	No comment
41	Black tube	Cr ⁶⁺	Cr	BL	IVA	Fass	
		PBBs	Br	BL			
		PBDEs	ы	DL			
		Pb	Pb	BL			
		Cd	Cd	BL	/ / A		
42	Electric wire-red	Hg	Hg	BL	NA	Door	No comment
42	soft plastic	Cr ⁶⁺	Cr	BL	INA	Pass	No comment
		PBBs PBDEs	Br	BL			
		Pb	Pb	BL			No comment
		Cd	Cd	BL			
43	Electric wire- black soft plastic	Hg	Hg	BL	NA	Pass	
43		Cr ⁶⁺	Cr	BL		Pa55	
		PBBs	Br	BL			
		PBDEs	DI	DL			
		Pb	Pb	BL			
		Cd	Cd	BL			
44	Electric wire-	Hg	Hg	BL	NA	Pass	No comment
44	copper metal	Cr ⁶⁺	Cr	BL	IVA	F a 5 5	NO Comment
		PBBs	Br	NA			
		PBDEs	ы	INA			
		Pb	Pb	BL			
		Cd	Cd	BL			
45	Silver metal	Hg	Hg	BL	NA	Pass	No comment
45	Silver Metal	Cr ⁶⁺	Cr	BL	INA	F d 5 5	NO COMMENT
		PBBs	Br	NA			
		PBDEs	וט	INA			





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No.	Sample description	Restricted substances	Analytical element	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Conclusion	Remark
		Pb	Pb	BL			
		Cd	Cd	BL			
46	CMD conscitor	Hg	Hg	BL	NA	Pass	No comment
46	SMD capacitor	Cr ⁶⁺	Cr	BL	INA	F a55	
		PBBs	Br	BL			
		PBDEs	ы	DL			
		Pb	Pb	BL			
	17 SMD IC	Cd	Cd	BL			
47		Hg	Hg	BL	NIA	Door	No comment
47	SMD IC	Cr ⁶⁺	Cr	BL	NA	Pass	No comment
		PBBs PBDEs	Br	BL			
		Pb	Pb	BL			No comment
		Cd	Cd	BL		Pass	
40	SMD inductor	Hg	Hg	BL	NA		
48		Cr ⁶⁺	Cr	BL			
		PBBs		r.			
		PBDEs	Br	BL			
		Pb	Pb	BL			
		Cd	Cd	BL			
49	SMD resister	Hg	Hg	BL	NA	Pass	No comment
49	SIVID TESISTEI	Cr ⁶⁺	Cr	BL	INA	Pa55	No comment
		PBBs	Br	BL			
		PBDEs	ы	DL			
		Pb	Pb	BL			
		Cd	Cd	BL			
50	SMD diode	Hg	Hg	BL	NA	Pass	No comment
30	SIVID UIUUE	Cr ⁶⁺	Cr	BL	INA	F d55	NO COMMENT
		PBBs	Br	BL			
		PBDEs	וט	DL			





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No.	Sample description	Restricted substances	Analytical element	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Conclusion	Remark
		Pb	Pb	BL			
		Cd	Cd	BL			
51	SMD register	Hg	Hg	BL	NA	Door	No comment
51	SMD resister	Cr ⁶⁺	Cr	BL	INA	Pass	No comment
		PBBs	Br	BL			
		PBDEs	ы	DL			
		Pb	Pb	BL			
		Cd	Cd	BL			
FO	CMD triada	Hg	Hg	BL	NA	Pass	No commont
52	SMD triode	Cr ⁶⁺	Cr	BL	NA		No comment
		PBBs PBDEs	Br	BL			
		Pb	Pb	BL	NA		
		Cd	Cd	BL			
53	Green solid	Hg	Hg	BL		Pass	No comment
55	Green Solid	Cr ⁶⁺	Cr	BL		1 433	No comment
		PBBs	Br	BL			
		PBDEs					
		Pb	Pb	BL			
		Cd	Cd	BL	NA		
54	White PCB	Hg	Hg	BL		Pass	No comment
		Cr ⁶⁺	Cr	BL			
		PBBs	Br	Х	ND		
		PBDEs			ND		
		Pb	Pb	BL			
		Cd	Cd	BL			
55	SMD LED	Hg	Hg	BL	NA	Pass	No comment
30	· · · · · · · · · · · · · · · · · · ·	Cr ⁶⁺	Cr	BL		. 400	. 10 00111110111
		PBBs	Br	BL			
		PBDEs					





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No.	Sample description	Restricted substances	Analytical element	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Conclusion	Remark
		Pb	Pb	BL			
		Cd	Cd	BL			
56	Solder-silver	Hg	Hg	BL	NΙΔ	Door	No comment
96	metal	Cr ⁶⁺	Cr	BL	NA	Pass	
		PBBs	Br	NA			
		PBDEs	ы	INA			
		Pb	Pb	BL			
		Cd	Cd	BL			
5 7	Transparent	Hg	Hg	BL	NA	_	No comment
57	hard plastic	Cr ⁶⁺	Cr	BL	NA	Pass	No comment
		PBBs PBDEs	Br	BL			
		Pb	Pb	BL			
		Cd	Cd	BL			
58	Transparent	Hg	Hg	BL	NA	Dana	No comment
56	plastic film	Cr ⁶⁺	Cr	BL		Pass	No comment
		PBBs PBDEs	Br	BL			
		Pb	Pb	BL			
		Cd	Cd	BL			
50	Transparent	Hg	Hg	BL	NIA	D	Nie samment
59	glass	Cr ⁶⁺	Cr	BL	NA	Pass	No comment
		PBBs		r.			
		PBDEs	Br	BL			
		Pb	Pb	BL			
		Cd	Cd	BL			
60	Silver plastic	Hg	Hg	BL	NIA.	Desa	No comment
60	film with glue	Cr ⁶⁺	Cr	BL	NA	Pass	No comment
		PBBs	D	Di			
		PBDEs	Br	BL			





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No.	Sample description	Restricted substances	Analytical element	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Conclusion	Remark
		Pb	Pb	BL			
		Cd	Cd	BL			
61	White plastic	Hg	Hg	BL	NΙΔ	Pass	No comment
01	film	Cr ⁶⁺	Cr	BL	NA	Pass	No comment
		PBBs	Br	BL			
		PBDEs	ы	DL			
		Pb	Pb	BL			
		Cd	Cd	BL			
60	Dark grey/black	Hg	Hg	BL	NA	Doos	No comment
62	soft plastic	Cr ⁶⁺	Cr	BL	NA	Pass	
		PBBs PBDEs	Br	BL			
		Pb	Pb	BL	NA		No comment
		Cd	Cd	BL			
63	Silver plastic	Hg	Hg	BL		Pass	
03	film	Cr ⁶⁺	Cr	BL		Pass	
		PBBs PBDEs	Br	BL			
		Pb	Pb	BL			
		Cd	Cd	BL			
0.4	Black	Hg	Hg	BL	NIA		
64	transparent plastic film	Cr ⁶⁺	Cr	BL	NA	Pass	No comment
	'	PBBs		6			
		PBDEs	Br	BL			
		Pb	Pb	BL			
		Cd	Cd	BL			
05	White plastic	Hg	Hg	BL		Derr	No server
65	film	Cr ⁶⁺	Cr	BL	NA	Pass	No comment
		PBBs	D	Di	1		
	PBDEs	Br	BL				





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No.	Sample description	Restricted substances	Analytical element	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Conclusion	Remark
		Pb	Pb	BL			
		Cd	Cd	BL			
66	Transparent	Hg	Hg	BL	NIA	Pass	No commont
00	hard plastic	Cr ⁶⁺	Cr	BL	NA	Pass	No comment
		PBBs	Br	BL			
		PBDEs	ы	DL			
		Pb	Pb	BL			
		Cd	Cd	BL			
67	White soft	Hg	Hg	BL	NA	Pass	No comment
67	plastic	Cr ⁶⁺	Cr	BL	INA	Pass	No comment
		PBBs	D.	Ē.			
		PBDEs	Br	BL			
		Pb	Pb	BL	NA NA		No comment
		Cd	Cd	BL			
68	Silver metal	Hg	Hg	BL		Pass	
00	Silver metal	Cr ⁶⁺	Cr	BL		. 400	
		PBBs	Br	NA			
		PBDEs	ы	INA			
		Pb	Pb	BL		Pass	No comment
		Cd	Cd	BL			
69	Solder-silver	Hg	Hg	BL	NA		
09	metal	Cr ⁶⁺	Cr	BL	INA	F a55	NO COMMENT
		PBBs	Br	NA			
		PBDEs	ы	INA			
		Pb	Pb	OL			
		Cd	Cd	BL			
70	Copper metal	Hg	Hg	BL	Db-:04000	Pass	See remark (3)
'0	Copper metal	Cr ⁶⁺	Cr	BL	Pb:31622		See lelliaik (3)
		PBBs	Dr	NIA			
		PBDEs	Br NA				





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No.	Sample description	Restricted substances	Analytical element	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Conclusion	Remark
		Pb	Pb	BL			
		Cd	Cd	BL			
71	Black soft	Hg	Hg	BL	NA	Pass	No commont
/ 1	plastic	Cr ⁶⁺	Cr	BL	INA	Pa55	No comment
		PBBs	Br	BL			
		PBDEs	ы	DL			
		Pb	Pb	BL			
		Cd	Cd	BL			
70	Black soft	Hg	Hg	BL	NIA	Dana	No comment
72	plastic	Cr ⁶⁺	Cr	BL	NA	Pass	
		PBBs PBDEs	Br	BL			
		Pb	Pb	BL	NA NA		
		Cd	Cd	BL		Pass	No comment
73	Black hard	Hg	Hg	BL			
13	plastic	Cr ⁶⁺	Cr	BL		Pa55	
		PBBs	Br	BL			
		PBDEs	ы	DL			
		Pb	Pb	OL			0
		Cd	Cd	BL			
74	Silver metal	Hg	Hg	BL	Pb:30999	Pass	
/4	Silver metal	Cr ⁶⁺	Cr	BL	Fb.30999	F 455	See remark (3)
		PBBs	Br	NA			
		PBDEs	ы	INA			
		Pb	Pb	BL			
		Cd	Cd	BL			
75	Connor matel	Hg	Hg	BL	NIA	Door	No commant
75	Copper metal	Cr ⁶⁺	Cr	BL	NA	Pass	No comment
		PBBs	D.	NIA			
		PBDEs	Br	NA			





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No.	Sample description	Restricted substances	Analytical element	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Conclusion	Remark
		Pb	Pb	BL			
		Cd	Cd	BL			
76	Black soft	Hg	Hg	BL	NA	Pass	No comment
70	plastic	Cr ⁶⁺	Cr	BL	IVA	F 455	NO Comment
		PBBs	Br	BL			
		PBDEs	ы	DL			
		Pb	Pb	BL			
		Cd	Cd	BL			
77	Silver metal	Hg	Hg	BL	NA	Pass	No comment
77	Silver metal	Cr ⁶⁺	Cr	BL	INA	Pass	
		PBBs PBDEs	Br	NA			
		Pb	Pb	BL	NA NA		No comment
		Cd	Cd	BL			
78	Silver metal	Hg	Hg	BL		Pass	
70	Silver metal	Cr ⁶⁺	Cr	BL			
		PBBs	D.	NIA			
		PBDEs	Br	NA			
		Pb	Pb	BL			No comment
		Cd	Cd	BL			
79	Silver metal with	Hg	Hg	BL	NA	Pass	
19	black plating	Cr ⁶⁺	Cr	BL	INA	Fass	No comment
		PBBs	Br	NA			
		PBDEs	ы	INA			
		Pb	Pb	BL			
		Cd	Cd	BL			
80	Silver metal with	Hg	Hg	BL	NA	Page	No comment
00	black plating	Cr ⁶⁺	Cr	BL	INA	Pass	NO COMMENT
		PBBs	Br	NΛ			
	PBDEs	וט	NA				





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Test Results:

2. Phthalates (DBP, BBP, DEHP, DIBP) Test Results:

Test Item		est Result (mg/k	MDL (mg/kg)	Requirement Limit (mg/kg)	
	1+2+3	4+6+7	8+12+14		Lillit (lilg/kg)
Dibutyl phthalate(DBP)	ND	ND	ND	30	1000
Benzylbutyl phthalate(BBP)	ND	ND	ND	30	1000
Di-2-ethylhexyl phthalate(DEHP)	ND	ND	ND	30	1000
Diisobutyl phthalate(DIBP)	ND	ND	ND	30	1000
Conclusion	Pass	Pass	Pass		

Test Item	To	est Result (mg/k	MDL (mg/kg)	Requirement	
rest item	15+17+21	23+25+26	29+31+33	MDE (mg/kg)	Limit (mg/kg)
Dibutyl phthalate(DBP)	ND	ND	ND	30	1000
Benzylbutyl phthalate(BBP)	ND	ND	ND	30	1000
Di-2-ethylhexyl phthalate(DEHP)	ND	ND	ND	30	1000
Diisobutyl phthalate(DIBP)	ND	ND	ND	30	1000
Conclusion	Pass	Pass	Pass		

Test Item	Te	est Result (mg/k	MDL (mg/kg)	Requirement	
rest item	36+37+38	41+42+43	46+47+48	MDE (mg/kg)	Limit (mg/kg)
Dibutyl phthalate(DBP)	ND	ND	ND	30	1000
Benzylbutyl phthalate(BBP)	ND	ND	ND	30	1000
Di-2-ethylhexyl phthalate(DEHP)	ND	ND	ND	30	1000
Diisobutyl phthalate(DIBP)	ND	ND	ND	30	1000
Conclusion	Pass	Pass	Pass		

Test Item	Te	est Result (mg/k	MDL (mg/kg)	Requirement	
Test item	49+50+51	52+53+54	55+57+58	WDL (Hg/kg)	Limit (mg/kg)
Dibutyl phthalate(DBP)	ND	ND	ND	30	1000
Benzylbutyl phthalate(BBP)	ND	ND	ND	30	1000
Di-2-ethylhexyl phthalate(DEHP)	ND	ND	ND	30	1000
Diisobutyl phthalate(DIBP)	ND	ND	ND	30	1000
Conclusion	Pass	Pass	Pass		





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Test Results:

2. Phthalates (DBP, BBP, DEHP, DIBP) Test Results:

Test Item	Te	est Result (mg/k	MDL (mg/kg)	Requirement	
Test item	59+60+61	62+63+64	65+66+67	WIDE (Hig/kg)	Limit (mg/kg)
Dibutyl phthalate(DBP)	ND	ND	ND	30	1000
Benzylbutyl phthalate(BBP)	ND	ND	ND	30	1000
Di-2-ethylhexyl phthalate(DEHP)	ND	ND	ND	30	1000
Diisobutyl phthalate(DIBP)	ND	ND	ND	30	1000
Conclusion	Pass	Pass	Pass		

Test Item	Test Resu	MDL (mg/kg)	Requirement		
rest item	71+72	73+76	WIDE (Hig/kg)	Limit (mg/kg)	
Dibutyl phthalate(DBP)	ND	ND	30	1000	
Benzylbutyl phthalate(BBP)	ND	ND	30	1000	
Di-2-ethylhexyl phthalate(DEHP)	ND	ND	30	1000	
Diisobutyl phthalate(DIBP)	ND	ND	30	1000	
Conclusion	Pass	Pass			

ND = Not Detected (less than MDL) MDL = Method Detection Limit Note: mg/kg = parts per million = ppm





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Test Materials List:

Item No.	Description
1	Black hard plastic with white printing
2	Black hard plastic
3	Red hard plastic
4	White hard plastic
6	Red soft plastic
7	Black hard plastic with multicolor printing
8	Black hard plastic with white printing
12	Black hard plastic
14	Blue soft plastic
15	Yellow soft plastic
17	Black soft plastic
21	Black hard plastic
23	Green PCB
25	SMD IC
26	Shell-black hard plastic
29	Magnet-black solid
31	Coil-copper enameled wire
33	Green PCB
36	Black solid
37	Blue solid
38	LED-transparent hard plastic
41	Black tube
42	Electric wire-red soft plastic
43	Electric wire-black soft plastic
46	SMD capacitor
47	SMD IC
48	SMD inductor
49	SMD resister
50	SMD diode





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Item No.	Description
51	SMD resister
52	SMD triode
53	Green solid
54	White PCB
55	SMD LED
57	Transparent hard plastic
58	Transparent plastic film
59	Transparent glass
60	Silver plastic film with glue
61	White plastic film
62	Dark grey/black soft plastic
63	Silver plastic film
64	Black transparent plastic film
65	White plastic film
66	Transparent hard plastic
67	White soft plastic
71	Black soft plastic
72	Black soft plastic
73	Black hard plastic
76	Black soft plastic

Note: As specified by the client, the samples were subjected to mixed testing.





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- Remark: (1) ① Results are obtained by XRF for primary screening, and further wet chemical testing by ICP-OES / AAS (for Cd, Pb, Hg), UV-VIS (for Cr(VI)) and GC-MS (for PBBs, PBDEs) is recommended to be performed, if an inconclusive result was found (as "X" in below table) (unit: mg/kg).
 - ② OL = Over Limit, BL = Below Limit, X = Inconclusive, NA= Not Applicable.
 - ③ XRF screening test for RoHS elements The test result may be different from the actual content in the non-uniformity composition sample.

Element	Polymer	Metal	Composite Materials	
Cd	$BL \leq (70-3 \sigma) < X < (130+3 \sigma)$ $\leq OL$	$BL \leq (70\text{-}3\sigma) < X < (130\text{+}3\sigma) \\ \leq OL$	LOD < X <(150+3 σ)≤ OL	
Pb	BL ≤(700-3 σ)< X <(1300+3 σ)≤ OL	BL ≤(700-3 σ)< X <(1300+3 σ)≤ OL	BL ≤(500-3 <i>σ</i>)< X <(1500+3 <i>σ</i>)≤ OL	
Hg	BL ≤(700-3 <i>σ</i>)< X <(1300+3 <i>σ</i>)≤ OL	BL ≤(700-3 <i>σ</i>)< X <(1300+3 <i>σ</i>)≤ OL	BL ≤(500-3 σ)< X <(1500+3 σ)≤ OL	
Br	BL ≤ (300-3 <i>σ</i>)< X	NA	BL ≤ (250-3 σ)< X	
Cr	BL ≤ (700-3 <i>σ</i>)< X	BL ≤ (700-3 σ)< X	BL ≤ (500-3 σ)< X	

- (2) ① mg/kg = ppm = 0.0001%, ND = Not Detected (less than MDL), MDL = Method Detection Limit.
 - 2 Unit, Method Detection Limit (MDL) and Requirement limit in wet chemical test.

Test items	Pb	Cd	Hg	Cr ⁶⁺ (Non-metal)	Cr ⁶⁺ (metal)	PBBs(single)	PBDEs(single)
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
MDL	2	2	2	8	-	5	5
Requirement Limit	1000	100	1000	1000	Negative	1000	1000

- 3 According to IEC 62321-7-1:2015, result on Cr6+ for metal sample shall be shown as Positive/Negative.
 - The Cr(VI) concentration is more than 0.13 µg/cm², the sample is positive for Cr(VI), the coating is considered to contain Cr(VI).
 - The Cr(VI) concentration is less than 0.10 µg/cm², the sample is negative for Cr(VI), the coating is considered a non-Cr(VI) based coating.

Storage condition and production date of the tested sample are unavailable and thus results of Cr6+ represent status of the sample at the time of testing.

- According to IEC 62321-3-1:2013, this column represents the results of wet chem test. And "NA" means no need to perform wet chem test, when the XRF screening results are acceptable.
- (3) As declared by the client, No.10,19,22,70,74 the materials should be exempted for lead content requirement according to Annex III clause 6(c).





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Sample Photo

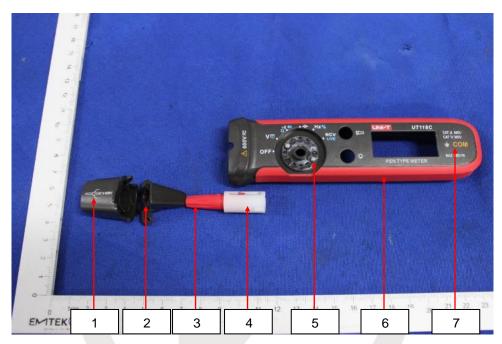


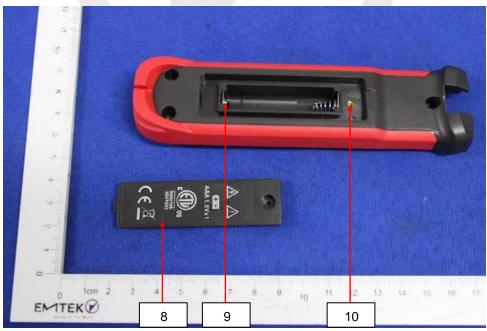




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Sample Photo



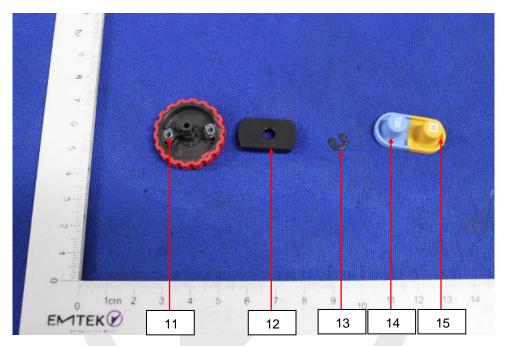


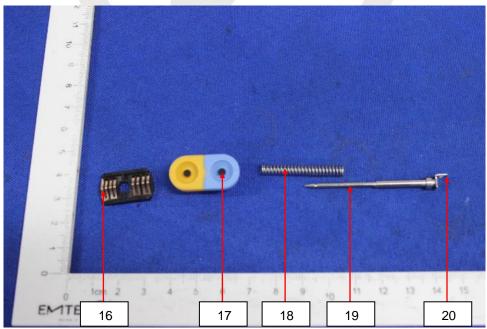




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Sample Photo



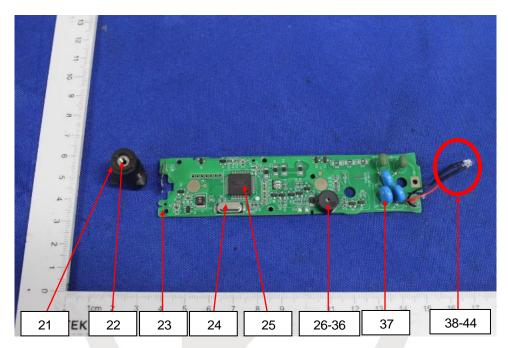


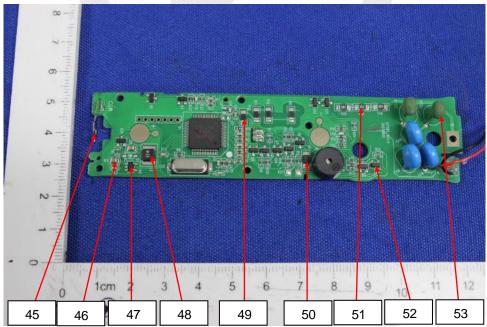




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Sample Photo



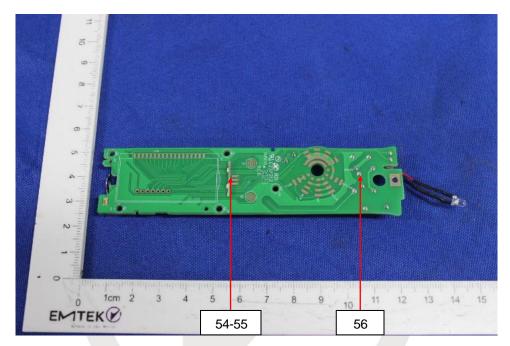


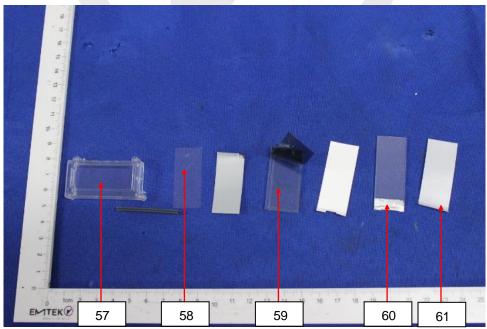




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Sample Photo



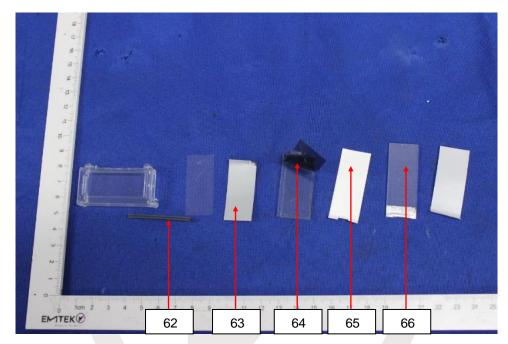


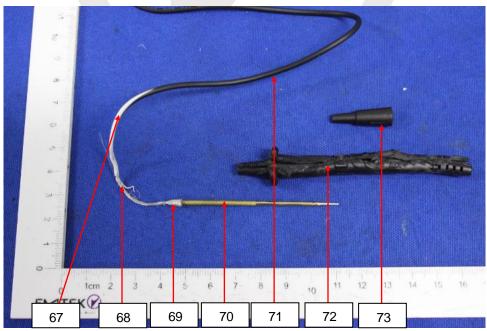




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Sample Photo



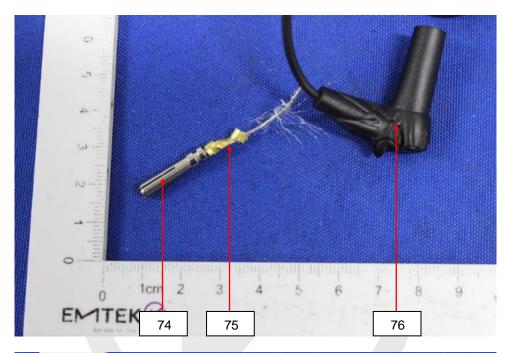


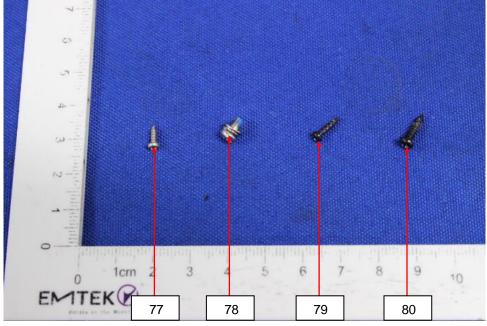




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Sample Photo





*** End of Report ***





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ANNEX

EXEMPTION LIST

- Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):
- For general lighting purposes < 30W: 5mg (expires on 31 December 2011; 3.5mg may be used per burner after 31 December 2011 until 1(a) 31 December 2012; 2.5mg shall be used per burner after 31 December 2012)
- For general lighting purposes ≥ 30W and <50W: 5mg (expires on 31 December 2011; 3.5mg may be used per burner after 31 1(b)
- For general lighting purposes ≥ 50W and <150W: 5mg 1(c)
- For general lighting purposes ≥ 150W: 15mg 1(d)
- 1(e) For general lighting purposes with circular or square structural shape and tube diameter ≤17mm (no limitation of use until 31 December 2011; 7mg may be used per burner after 31 December 2011)
- 1(f) For special purposes: 5mg
- For general lighting purposes < 30 W with a lifetime equal or above 20 000 h: 3,5 mg (Expires on 31 December 2017) 1(g)
- Mercury in double-capped linear fluorescent lamps for general lighting purples not exceeding (per lamp): 2(a)
- Tri-band phosphor with normal lifetime and a tube diameter < 9mm (e.g. T2): 5mg (expires on 31 December 2011; 4mg may be used 2(a)(1) per lamp after 31 December 2011)
- 2(a)(2)Tri-band phosphor with normal lifetime and a tube diameter ≥ 9mm and ≤ 17mm (e.g. T5): 5mg (expires on 31 December 2011; 3mg may be used per lamp after 31 December 2011)
- Tri-band phosphor with normal lifetime and a tube diameter > 17 mm and ≤ 28 mm (e.g. T8): 5 mg (expires on 31 December 2011; 3.5 mg 2(a)(3)may be used per lamp after 31 December 2011)
- Tri-band phosphor with normal lifetime and a tube diameter > 28mm (e.g. T12): 5mg (expires on 31 December 2012; 3.5mg may be 2(a)(4) used per lamp after 31 December 2012)
- Tri-band phosphor with long lifetime (≥ 25000h): 8mg (expires on 31 December 2011; 5mg may be used per lamp after 31 December 2(a)(5)
- Mercury in other fluorescent lamps not exceeding (per lamp): 2(b)
- 2(b)(2) Non-linear halophosphate lamps (all diameters): 15mg (expires on 13 April 2016)
- Non-linear tri-band phosphor lamps with tube diameter > 17mm (e.g. T9) (no limitation of use until 31 December 2011; 15mg may be 2(b)(3)used per lamp after 31 December 2011)
- 2(b)(4)Lamps for other general lighting and special purposes (e.g. induction lamps) (no limitation of use until 31 December 2011; 15mg may be used per lamp after 31 December 2011)
- Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp):
- Short length (≤ 500mm) (No limitation of use until 31 December 2011; 3.5mg may be used per lamp after 31 December 2011) 3(a)
- Medium length (> 500 m and ≤ 1500 mm) (No limitation of use until 31 December 2011; 5 mg may be used per lamp after 31 December 3(b)
- Long length (> 1500mm) (No limitation of use until 31 December 2011; 13mg may be used per lamp after 31 December 2011) 3(c)
- Mercury in other low pressure discharge lamps (per lamp) (no limitation of use until 31 December 2011; 15mg may be used per lamp 4(a) after 31 December 2011)
- 4(b) Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 60:
- P ≤ 155W (no limitation of use until 31 December 2011; 40mg may be used per burner after 31 December 2011) 4(b)-I
- 155W < P ≤ 405W (no limitation of use until 31 December 2011; 40mg may be used per burner after 31 December 2011) 4(b)-II
- 4(b)-III P > 405W (no limitation of use until 31 December 2011; 40mg may be used per burner after 31 December 2011)
- Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner): 4(c)
- 4(c)-I P≤ 155W (no limitation of use until 31 December 2011; 25mg may be used per burner after 31 December 2011)
- 155W < P \(405W \) (no limitation of use until 31 December 2011; 30mg may be used per burner after 31 December 2011) 4(c)-II
- P > 405W (no limitation of use until 31 December 2011; 40mg may be used per burner after 31 December 2011) Mercury in High Pressure Mercury (vapour) lamps (HPMV) (expires on 13 April 2015) 4(c)-III
- 4(d)
- Mercury in metal halide lamps (MH) 4(e)
- Mercury in other discharge lamps for special purposes not specifically mentioned in this Annex 4(f)
- 4(g) Mercury in hand crafted luminous discharge tubes used for signs, decorative or architectural and specialist lighting and light-artwork, where the mercury content shall be limited as follows: (Expires on 31 December 2018)
 - 20 mg per electrode pair + 0,3 mg per tube length in cm, but not more than 80 mg, for outdoor applications and indoor applications exposed to temperatures below 20 °C;
 - 15 mg per electrode pair + 0,24 mg per tube length in cm, but not more than 80 mg, for all other indoor applications.





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ANNEX

EXEMPTION LIST

Continued

5(a	a)	Lead in glass of	of cathode ray tubes

- Lead in glass of fluorescent tubes not exceeding 0.2% by w eight 5(b)
- 6(a) Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0.35% lead by weight
- 6(b) Lead as an alloying element in aluminium containing up to 0.4% lead by weight
- 6(c) Copper alloy containing up to 4% lead by weight.
- Lead in high melting temperature type solders (i.e. lead based alloys containing 85% by weight or more lead) 7(a)
- Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission, 7(b) and network management for telecommunications
- 7(c)-l Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound
- Lead in dielectric ceramic in capacitors for a rated voltage of 125V AC or 250V DC or higher 7(c)-II
- 7(c)-III Lead in dielectric ceramic in capacitors for a rated voltage of less than 125V AC or 250V DC (expires on 1 January 2013 and after that date may be used in spare parts for EEE placed on the market before 1 January 2013).
- 7(c)-IV Lead in PZT based dielectric ceramic materials for capacitors being part of integrated circuits or discrete semiconductors
- 8(a) Cadmium and its compounds in one shot pellet type thermal cut-offs (expires on 1 January 2012 and after that date may be used in spare parts for EEE placed on the market before 1 January 2012)
- Cadmium and its compounds in electrical contacts 8(b)
 - Applies to categories 8, 9 and 11 and expires on:
 - 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments;
 - 21 July 2023 for category 8 in vitro diagnostic medical devices;
 - 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11
- Cadmium and its compounds in electrical contacts used in: 8(b)-I
 - Applies to categories 1 to 7 and 10 and expires on 21 July 2021.
 - circuit breakers,
 - thermal sensing controls,
 - thermal motor protectors (excluding hermetic thermal motor protectors),
 - ACsw itches rated at: 6 A and more at 250 V AC and more, or
 - 12 A and more at 125 V AC and more,
 - DC sw itches rated at 20 A and more at 18 V DC and more, and
 - sw itches for use at voltage supply frequency ≥ 200 Hz.
- Hexavalent chromium as an anti-corrosion agent of the carbon steel cooling system in absorption refrigerators up to 0.75% by weight in 9 the cooling solution
- Lead in bearing shells and bushes for refrigerant-containing compressors for heating, ventilation, air conditioning and refrigeration 9(b) (HVACR) applications
- Lead used in other than C-press compliant pin connector systems (expires on 1 January 2013 and after that date may be used in spare 11(b) parts for EEE placed on the market before 1 January 2013)
- 13(a) Lead in white glasses used for optical applications
- Cadmium and lead in filter glasses and glasses used for reflectance standards 13(b)
- Lead in solders consisting of more than two elements for the connection between the pins and the package of microprocessors with a 14 lead content of more than 80% and less than 85% by weight (expires on 1 January 2011 and after that date may be used in spare parts for EEE placed on the market before 1 January 2011)
- Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit Flip Chip 15
- 17 Lead halide as radiant agent in High Intensity Discharge (HID) lamps used for professional reprography applications
- Lead as activator in the fluorescent powder (1% lead by weight or less) of discharge lamps when used as sun tanning lamps containing 18(b) phosphors such as BSP (BaSi₂O₅:Pb)
- Lead and cadmium in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glass
- Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors
- 25 Lead oxide in surface conduction electron emitter displays (SED) used in structural elements, notably in the seal frit and frit ring
- 29 Lead bound in crystal glass as defined in Annex 1 (Categories 1, 2, 3 and 4) of Council Directive 69/493/EEC
- Cadmium alloys as electrical/mechanical solder joints to electrical conductors located directly on the voice coil in transducers used in high-pow ered loudspeakers with sound pressure levels of 100 dB (A) and more





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ANNEX

EXEMPTION LIST

Continued

- 31 Lead in soldering materials in mercury free flat fluorescent lamps (which e.g. are used for liquid crystal displays, design or industrial
- 32 Lead oxide in seal frit used for making window assemblies for Argon and Krypton laser tubes
- 33 Lead in solders for the soldering of thin copper wires of 100 µm diameter and less in power transformers
- 34 Lead in cermet-based trimmer potentiometer elements
- 37 Lead in the plating layer of high voltage diodes on the basis of a zinc borate glass body
- 38 Cadmium and cadmium oxide in thick film pastes used on aluminium bonded beryllium oxide
- Cadmium in colour converting II-VI LEDs (< 10 µg Cd per mm2 of light- emitting area) for use in solid state illumination or display systems (expires on 1 July 2014)
- 41 Lead in solders and termination finishes of electrical and electronic components and finishes of printed circuit boards used in ignition modules and other electrical and electronic engine control systems, which for technical reasons must be mounted directly on or in the crankcase or cylinder of hand-held combustion engines (classes SH:1, SH:2, SH:3 of Directive 97/68/EC of the European Parliament and of the Council (2)) (Expires on 31 December 2018)
- 43 Bis (2-ethylhexyl) phthalate in rubber components in engine systems, designed for use in equipment that is not intended solely for consumer use and provided that no plasticised material comes into contact with human mucous membranes or into prolonged contact with human skin and concentration value of bis(2-ethylhexyl) phthalate does not exceed:
 - 30% by weight of the rubber for
 - gasket coatings;
 - solid-rubber gaskets; or
 - rubber components included in assemblies of at least three components using electrical, mechanical or hydraulic energy to do work, and attached to the engine.
 - 10% by weight of the rubber for rubber-containing components not referred to in point (a).
 - For the purposes of this entry, "prolonged contact with human skin" means continuous contact of more than 10 minutes duration or intermittent contact over a period of 30 minutes, per day.
- Lead in solder of sensors, actuators, and engine control units of combustion engines within the scope of Regulation (EU) 2016/1628 of 44 the European Parliament and of the Council, installed in equipment used at fixed positions while in operation which is designed for professionals, but also used by non-professional users.





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The information as listed on the first page of this test report was all provided by the client except the sample from, date received, test period, test results and test conclusion. The client shall be responsible for the representativeness of sample and authenticity of materials, for which EMTEK shall bear no responsibilities.

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This test data is only responsible for the tested sample. The data and results provided by the report without CMA accreditation are not to prove to the society, and EMTEK is not responsible for any economic and legal responsibility for the use of the test data, the direct or indirect losses resulting from the use of the test and all legal consequences.

5.本检测报告中检测项目标注有特殊符号则该项目不在本实验室资质认定能力范围内,该项目检测结果仅作为客户委托、科研、教学或内 部质量控制等目的使用。

The test items are marked with special symbols in the report is out of the scope of CMA accreditation. The test result only used for client's requirement, scientific researching ,teaching or internal quality control.

6.其它声明请查阅报告页脚及书面报告背页。

For other statements, please refer to the footer of the report.





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- 8.该测试报告的支持数据和信息本公司保存 10 年。个别评审机构有特别要求的,检测数据和报告的保存期可依情况变动。一旦超过上述提交的保存期限,数据和信息将被处理掉。任何情况下,本公司不必提供任何被处理的过期数据或信息。即使本公司事先被告知可能会发生相关的损害,本公司在任何情况下也不必承担任何损害,包括(但不限于)补偿性赔偿、利润损失、数据遗失、或任何形式的特殊损害、附带损害、间接损害、从属损害或任何违反约定、违反承诺、侵权(包括疏忽)、产品责任或其他原因的惩罚性

Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of ten years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

