



TEST REPORT

Reference No...... : WTS13F1210193C
Applicant..... : Kouhi Technology (HK) Co., Ltd.
Address..... : Flat A1,8/F, Cheung Fat Building, 7 Hill Road, Shek Tong Tsui, Hong Kong
Manufacturer : Quanzhou Kouhi Electronics Co., Ltd.
Address..... : No. 8 Zi An Road, Jiangnan Gao Xin Yuan, Li Cheng District, Quanzhou City, Fujian, China
Sample Description : LED
Model No. : KTL100WHCI/KTL050WUDI
Reference Model No. : KTL03XWXCXseries, KTL03XWXDXseries, KTL04XWXCXseries, KTL04XWXDXseries, KTL05XWXCXseries, KTL05XWXDXseries, KTL08XWXCXseries, KTL08XWXDXseries, KTL10XWXCXseries, KTL10XWXDXseries
Test Requested : In accordance with the RoHS Directive 2011/65/EU
Test method..... : Please refer to next page (s)
Test Conclusion : Based on the performed tests on submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE) comply with the limits as set by RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC
Date of Receipt sample : 2013-12-19
Date of Test..... : 2013-12-19 to 2013-12-25
Date of Issue..... : 2013-12-27
Test Result..... : Please refer to next page (s)

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

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**Test Results:**

Test Item(s)	Unit	Test Method & Test Equipment	Test Result		Limit	MDL
			No.1	No.3		
Lead (Pb)	mg/kg	IEC 62321:2008, ICP-OES	ND	ND	1000	2
Cadmium (Cd)	mg/kg		ND	ND	100	2
Mercury (Hg)	mg/kg		ND	ND	1000	2
Hexavalent Chromium (Cr ⁶⁺)	mg/kg	IEC 62321:2008, UV-Vis	ND	ND	1000	2
Sum of PBBs	mg/kg	--	ND	ND	1000	--
Monobromobiphenyl	mg/kg	IEC 62321:2008, GC-MS	ND	ND	--	5
Dibromobiphenyl	mg/kg		ND	ND	--	5
Tribromobiphenyl	mg/kg		ND	ND	--	5
Tetrabromobiphenyl	mg/kg		ND	ND	--	5
Pentabromobiphenyl	mg/kg		ND	ND	--	5
Hexabromobiphenyl	mg/kg		ND	ND	--	5
Heptabromobiphenyl	mg/kg		ND	ND	--	5
Octabromobiphenyl	mg/kg		ND	ND	--	5
Nonabromobiphenyl	mg/kg		ND	ND	--	5
Decabromobiphenyl	mg/kg		ND	ND	--	5
Sum of PBDEs	mg/kg	--	ND	ND	1000	--
Monobromodiphenyl ether	mg/kg	IEC 62321:2008, GC-MS	ND	ND	--	5
Dibromodiphenyl ether	mg/kg		ND	ND	--	5
Tribromodiphenyl ether	mg/kg		ND	ND	--	5
Tetrabromodiphenyl ether	mg/kg		ND	ND	--	5
Pentabromodiphenyl ether	mg/kg		ND	ND	--	5
Hexabromodiphenyl ether	mg/kg		ND	ND	--	5
Heptabromodiphenyl ether	mg/kg		ND	ND	--	5
Octabromodiphenyl ether	mg/kg		ND	ND	--	5
Nonabromodiphenyl ether	mg/kg		ND	ND	--	5
Decabromodiphenyl ether	mg/kg		ND	ND	--	5

Test Item(s)	Unit	Test Method & Test Equipment	Test Result		Limit	MDL
			No.2	No.4		
Lead (Pb)	mg/kg	IEC 62321:2008, ICP-OES	ND	ND	1000	2
Cadmium (Cd)	mg/kg		ND	ND	100	2
Mercury (Hg)	mg/kg		ND	ND	1000	2
Hexavalent Chromium (Cr ⁶⁺)	mg/kg	IEC 62321:2008, UV-Vis	Negative	Negative	1000	2

Description for Specimen:

No.1: Semi-transparent plastic body of LED

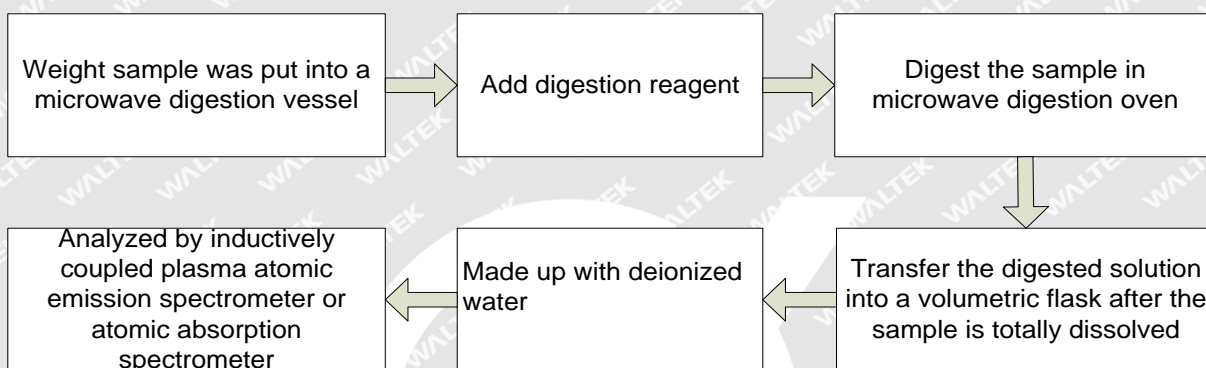
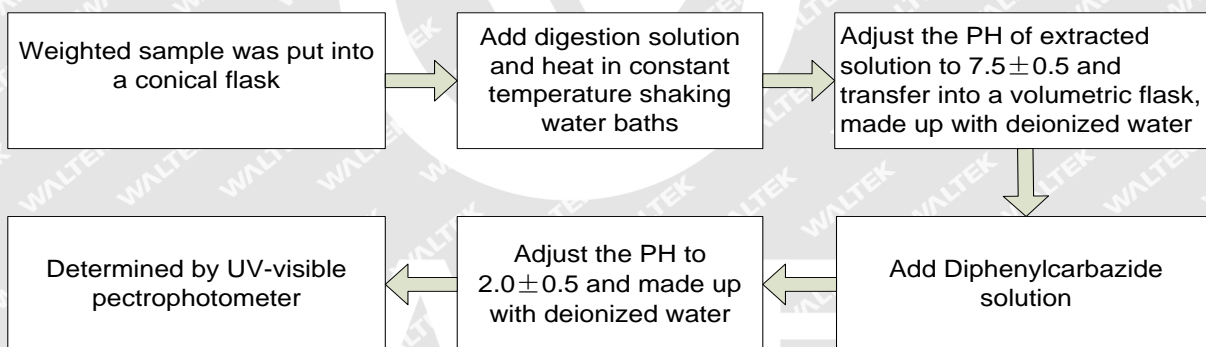
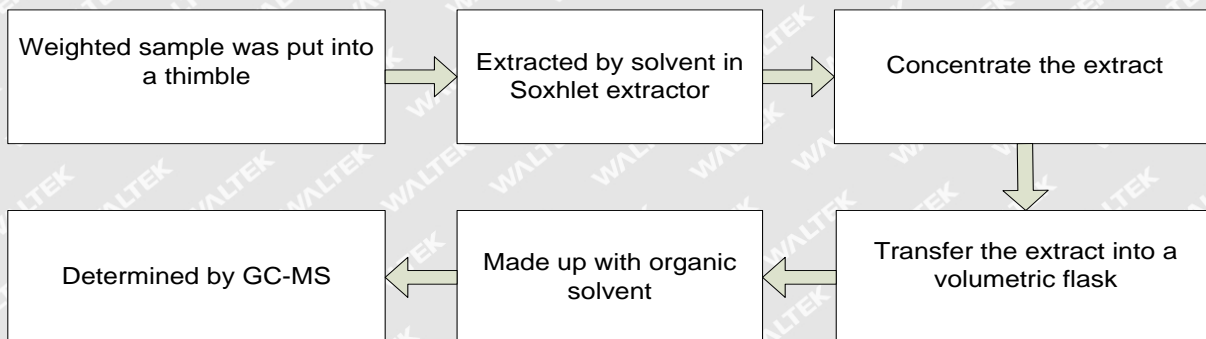
No.2: Silvery metal pin of LED

No.3: Transparent plastic body of LED

No.4: Silvery metal pin of LED

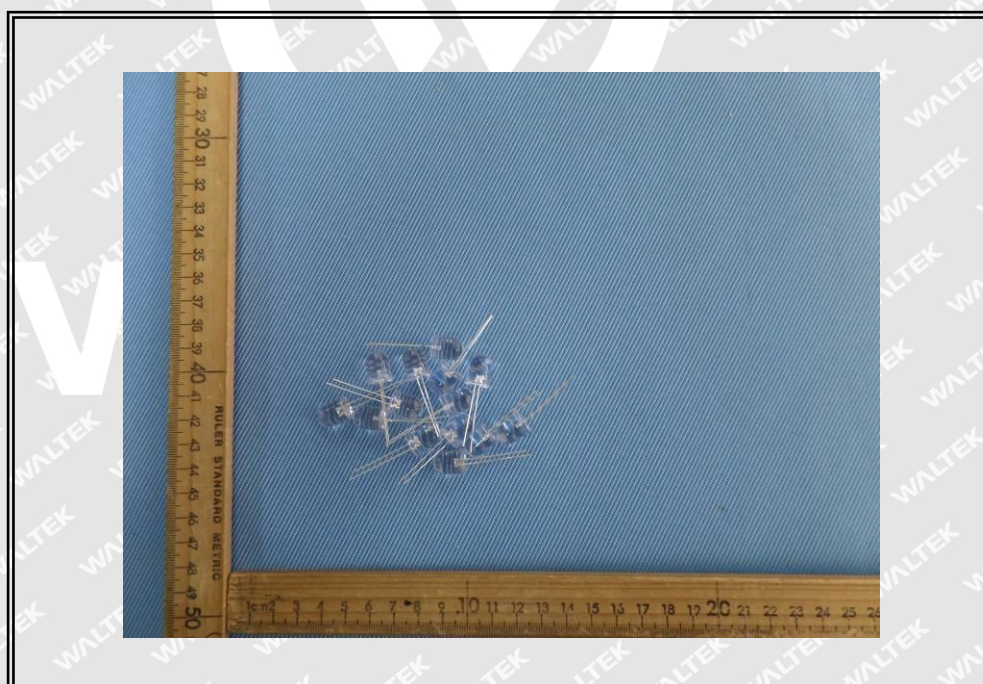
**Note:**

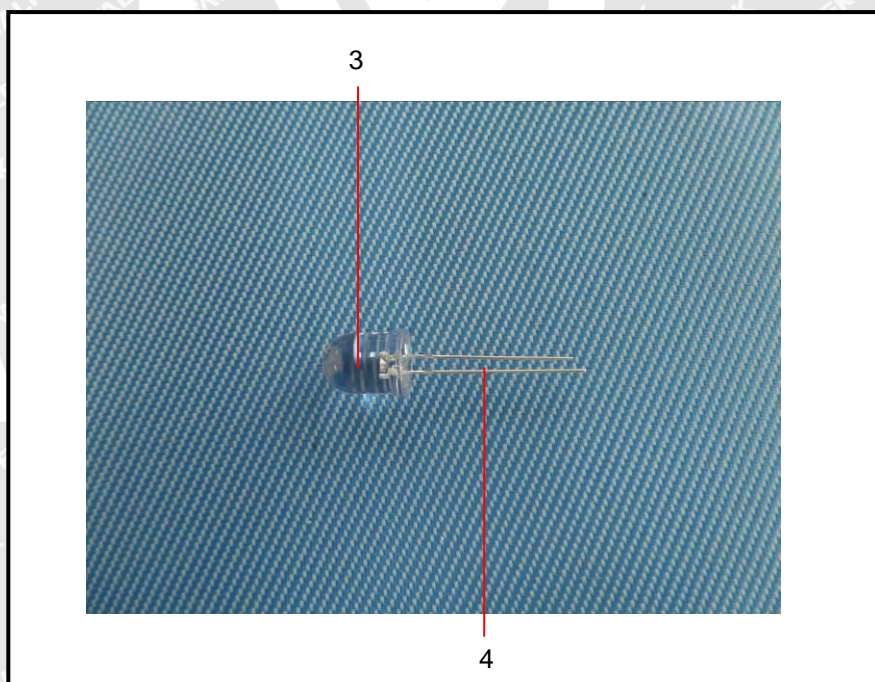
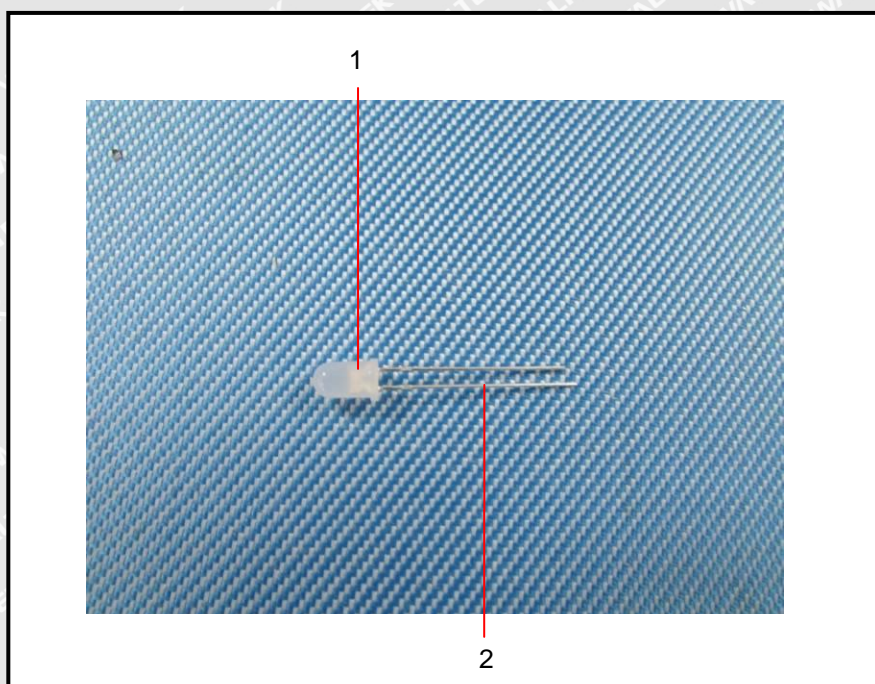
- (1) ND = Not Detected or lower than method detection limit
- (2) mg/kg = ppm
- (3) MDL = Method Detection Limit
- (4) “-” = Not regulated
- (5) According to IEC 62321:2008, result on Cr^{6+} for metal sample is shown as Positive/Negative.
Positive = Presence of Cr^{6+} coating, Negative = Absence of Cr^{6+} coating

Testing Flow chart:**1. Test for Cd/ Pb/ Hg contents****2. Test for Cr^{6+} content****3 Test for PBBs/PBDEs contents**



Sample photo:



**Photograph of parts t**

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