



中国认可
国际互认
检测
TESTING
CNAS L6478



检测报告 TEST REPORT

报告编号/ Report No. : WTH24F06135439C

委托方/ Applicant : 肇庆市立得电子有限公司
LEDTECH ELECTRONICS CORPORATION

地址/ Address : 广东省肇庆市端州区璣西路西、桂园路北（22區）
(Zone 22) Guiyuan Rd. North, Jixi Rd. West, Duanzhou
District, Zhaoqing City, Guangdong Province, China

样品名称/ Sample Name : SMD LED LAMP

检测要求/ Test Requested : 根据客户要求, 测试送检样品中欧盟RoHS指令2011/65/EU及其修订指令(EU) No.2015/863要求的10种限制物质含量
As specified by client, to determine the 10 restricted substances content of EU RoHS Directive 2011/65/EU and its amendment (EU) No.2015/863 in the submitted sample.

检测方法/ Test Method : 参见报告下页/ Refer to next page (s)

检测结论/ Test Conclusion : 符合（详情请参见下一页）
Pass (Please refer to next pages for details)

样品接收日期/ Date of Receipt sample : 2024-06-11

检测周期/ Testing period : 2024-06-11 ~ 2024-06-15

报告日期/ Date of Issue : 2024-06-15

检测结果/ Test Result : 参见报告下页 / Refer to next page (s)

报告制作/ Prepared By:

佛山市沃特测试技术服务有限公司

Waltek Testing Group (Foshan) Co., Ltd.

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佛山市沃特测试技术服务有限公司

授权签字人

Signed for and on behalf of

Waltek Testing Group (Foshan) Co., Ltd.

梁志聪

梁志聪/Swing.Liang



WTH24F06135439C

佛山市沃特测试技术服务有限公司/ Waltek Testing Group (Foshan) Co., Ltd.

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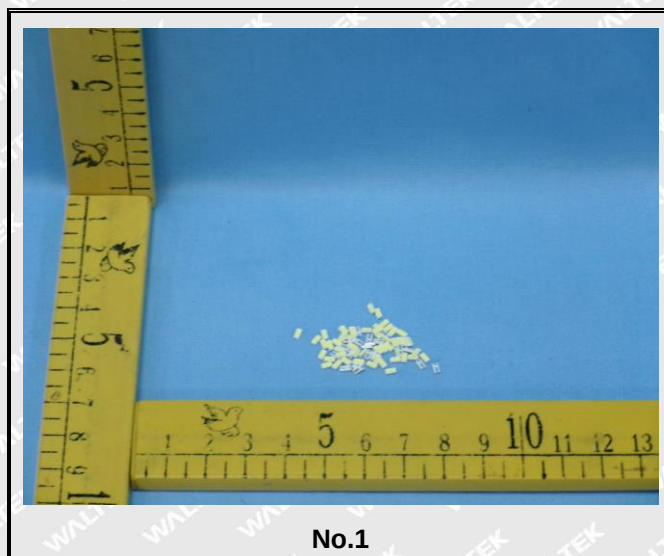
1 / 7



报告编号 / Report No.: WTH24F06135439C

任务号 / Job No.: SHW2406120356CJ

样品图片 / Sample Photo:



No.1

WALTEK



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任务号/Job No.: SHW2406120356CJ

测试结果/ Test Results:

测试方法/ Test Method:

- 参考IEC62321-5:2013, 使用ICP-OES检测铅、镉含量;
- 参考IEC62321-4:2013+AMD1:2017 CSV, 使用ICP-OES检测汞含量;
- 参考& IEC62321-7-2:2017, 使用UV-Vis检测六价铬含量;
- 参考IEC62321-6:2015, 使用GC-MS检测PBBs及PBDEs含量。
- With reference to IEC62321-5:2013, determination of Lead and Cadmium by ICP-OES;
- With reference to IEC62321-4:2013+AMD1:2017 CSV, determination of Mercury by ICP-OES;
- With reference to IEC62321-7-2:2017, determination of Hexavalent Chromium by Colorimetric Method;
- With reference to IEC62321-6:2015, determination of PBBs and PBDEs by GC-MS.

测试项目 Test Item(s)	单位Unit	测试结果 Test Results	定量限 LOQ	客户限值 Client's limit
		No.1		
铅 Lead (Pb)	mg/kg	ND	2	600
镉 Cadmium (Cd)	mg/kg	ND	2	60
汞 Mercury (Hg)	mg/kg	ND	2	600
六价铬 Hexavalent Chromium (Cr ⁶⁺)	mg/kg	ND	8	600
多溴联苯总和 Sum of PBBs	mg/kg	ND	--	600
一溴联苯 Monobromobiphenyl	mg/kg	ND	5	--
二溴联苯 Dibromobiphenyl	mg/kg	ND	5	--
三溴联苯 Tribromobiphenyl	mg/kg	ND	5	--
四溴联苯 Tetrabromobiphenyl	mg/kg	ND	5	--
五溴联苯 Pentabromobiphenyl	mg/kg	ND	5	--
六溴联苯 Hexabromobiphenyl	mg/kg	ND	5	--
七溴联苯 Heptabromobiphenyl	mg/kg	ND	5	--
八溴联苯 Octabromobiphenyl	mg/kg	ND	5	--
九溴联苯 Nonabromobiphenyl	mg/kg	ND	5	--
十溴联苯 Decabromobiphenyl	mg/kg	ND	5	--
多溴二苯醚总和 Sum of PBDEs	mg/kg	ND	--	600
一溴二苯醚 Monobromodiphenyl ether	mg/kg	ND	5	--
二溴二苯醚 Dibromodiphenyl ether	mg/kg	ND	5	--
三溴二苯醚 Tribromodiphenyl ether	mg/kg	ND	5	--
四溴二苯醚 Tetrabromodiphenyl ether	mg/kg	ND	5	--
五溴二苯醚 Pentabromodiphenyl ether	mg/kg	ND	5	--
六溴二苯醚 Hexabromodiphenyl ether	mg/kg	ND	5	--
七溴二苯醚 Heptabromodiphenyl ether	mg/kg	ND	5	--
八溴二苯醚 Octabromodiphenyl ether	mg/kg	ND	5	--
九溴二苯醚 Nonabromodiphenyl ether	mg/kg	ND	5	--
十溴二苯醚 Decabromodiphenyl ether	mg/kg	ND	5	--
结论 Conclusion	--	符合/Pass	--	--



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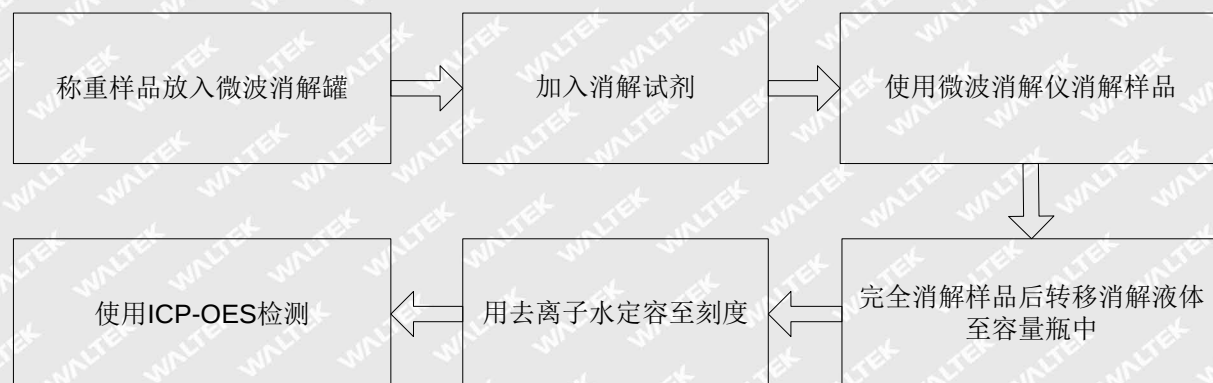
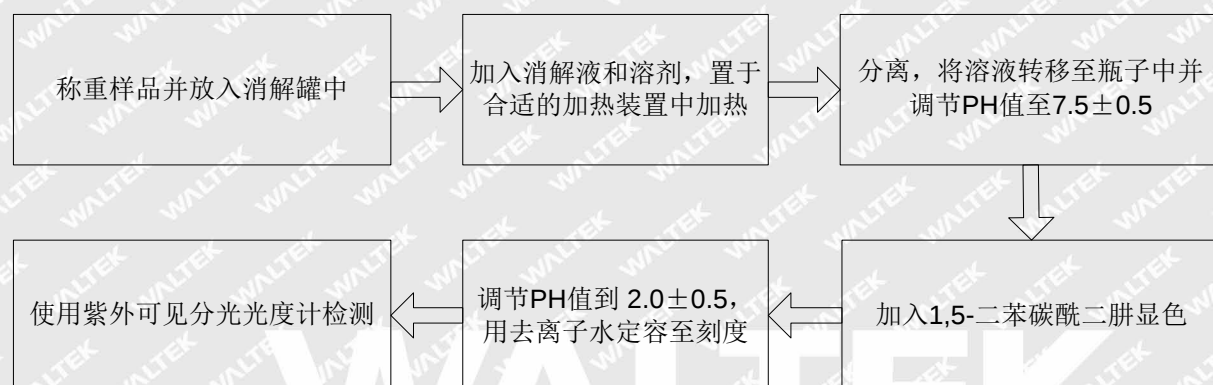
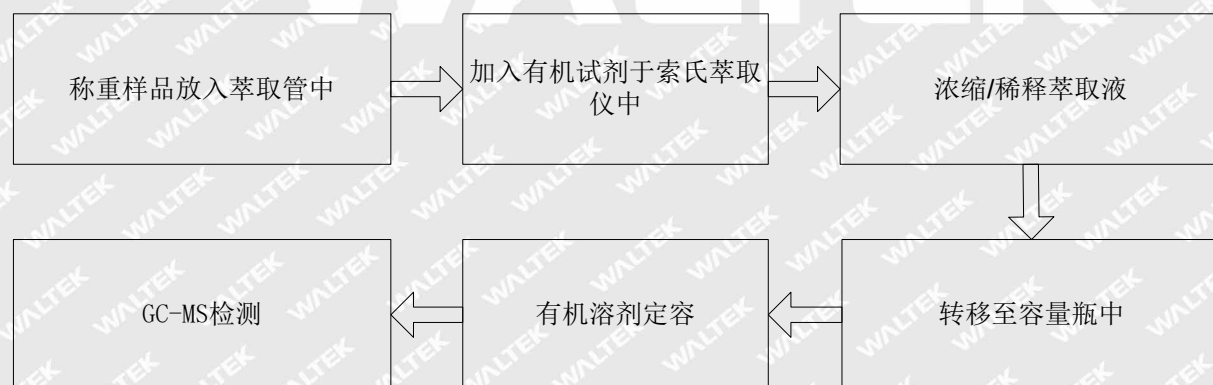
测试项目 Test Item(s)	单位 Unit	测试方法/测试仪器 Test Method & Test Equipment	结果 Results	定量限 LOQ	客户限值 Client's limit
			No.1		
邻苯二甲酸二(2-乙基己基)酯 (DEHP) Bis (2-ethylhexyl)- phthalate (DEHP)	mg/kg	IEC 62321-8:2017, GC-MS	ND	50	600
邻苯二甲酸二丁酯(DBP) Dibutyl phthalate (DBP)	mg/kg		ND	50	600
邻苯二甲酸丁苄酯(BBP) Benzylbutyl phthalate (BBP)	mg/kg		ND	50	600
邻苯二甲酸二异丁酯(DIBP) Diisobutyl phthalate (DIBP)	mg/kg		ND	50	600
结论 / Conclusion	--	--	符合/ Pass	--	--

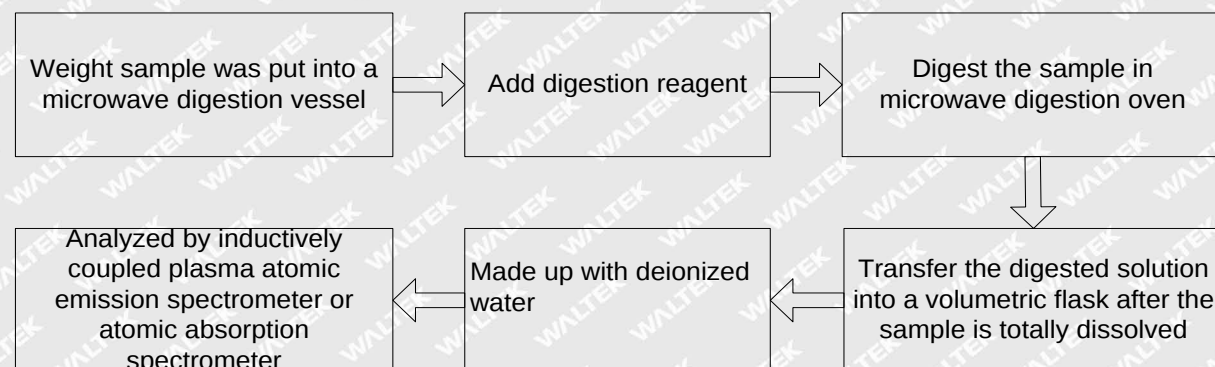
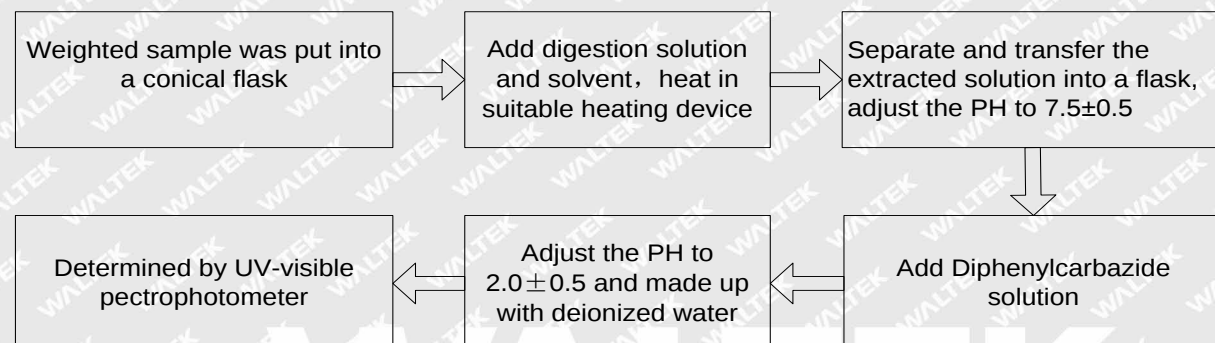
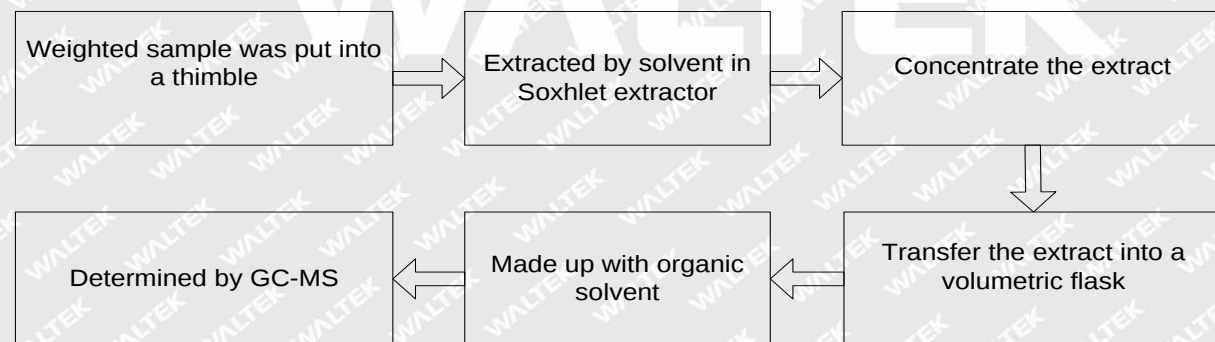
备注/ Note:

- (1) ND =未检出, 检测值小于定量限/ Not Detected or lower than limit of quantitation
(2) mg/kg =毫克每千克 (milligram per kilogram)= 百万分之一 (ppm)
(3) LOQ =定量限/ Limit of quantitation
(4) "--" =未规定/ Not regulated

样品描述 / Specimen Description:

样品编号 Specimen No.	样品描述 Specimen Description
1	贴片发光二极管 Chip LED

**测试流程图:****1. 铅、镉、汞测试流程图****2. 六价铬测试流程图****3. 多溴联苯、多溴二苯醚、邻苯二甲酸酯测试流程图**

**Testing Flow chart:****1. Test for Cd/ Pb/ Hg contents****2. Test for Cr⁶⁺ content****3. Test for PBBs/ PBDEs/ DIBP/ DEHP/ DBP/ BBP contents**



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备注/ Remarks:

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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.

=====报告结束/ End of Report =====

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