



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. : WTF25F03071854C
任务号/ Job No. : FSW2503261257CJ
委托方/ Applicant : 福建省乔光电子科技有限公司
Fujian Qiaoguang Electronic Technology Co., Ltd
地址/ Address : 福建省漳平市西园镇大洋路 21 号
No. 21 Dayang Road, Xiyuan Town, Zhangping City, Fujian
Province
样品名称/ Sample Name : 氧化锌压敏电阻(铜电极)/ Zinc oxide varistor (copper electrode)
样品材质/ Sample Material : 氧化锌+铜+镀锡铜包钢线+锡+环氧树脂/ Zinc oxide+Copper+Tin
plated copper-clad steel wire+Tin+Epoxy resin
检测要求/ Test Requested : 根据客户要求, 测试送检样品中氟(F)、氯(Cl)、溴(Br)、碘(I)的含量。
As specified by client, to determine the Fluorine(F), Chlorine(Cl),
Bromine(Br), Iodine(I) content 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/ Pass
样品接收日期/ Date of Receipt sample : 2025-03-26
检测周期/ Testing period : 2025-03-26 ~ 2025-03-29
报告日期/ Date of Issue : 2025-03-29
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.

地址: 广东省佛山市顺德区陈村镇赤花居委会广隆工业园兴业 4 路顺联机械城二座二层 13-19 号
Address: No.13-19, 2/F., 2nd Building, Sunlink Machinery City, Xingye 4 Road, Guanglong Industrial Park,
Chihua Neighborhood Committee, Chencun, Shunde District, Foshan, Guangdong, China
电话/ Tel:+86-757-23811398 传真/ Fax:+86-757-23811381 邮箱/ E-mail:info@waltek.com.cn

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

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

http://www.waltek.com.cn



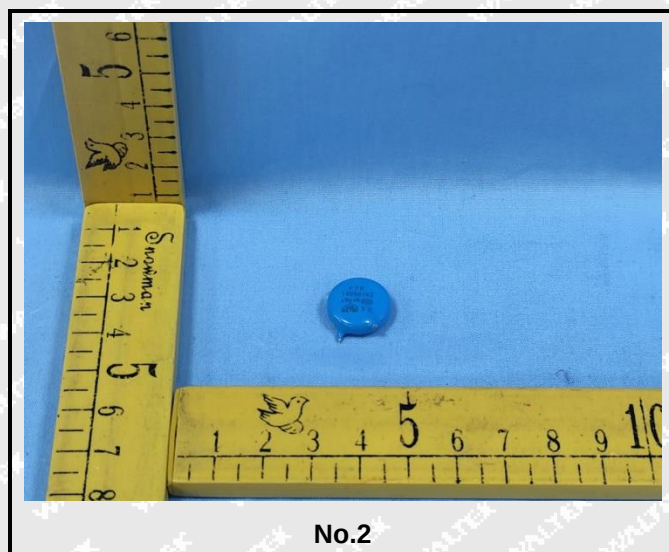
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样品图片 / Sample Photo:



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测试结果/ Test Results:

检测方法/仪器/ Test Method/Equipment:

-参考 EN 14582:2016, 使用 IC 检测氟(F)、氯(Cl)、溴(Br)、碘(I)含量

-With reference to EN 14582:2016, determination of Fluorine(F), Chlorine(Cl), Bromine(Br), Iodine(I) by IC

检测项目 Test Item(s)	单位 Unit	定量限 LOQ	结果 Result(s)	限值 Limit
			No.2	
氟(F)/ Fluorine(F)	mg/kg	50	ND	--
氯(Cl)/ Chlorine(Cl)	mg/kg	50	ND	900
溴(Br)/ Bromine(Br)	mg/kg	50	ND	900
碘(I)/ Iodine(I)	mg/kg	50	ND	--
总计(氯+溴)/ Total(Cl+Br)	mg/kg	--	ND	1500
结论 / Conclusion	--	--	符合 Pass	--

备注/ Note:

(1)mg/kg (毫克每千克) = ppm (百万分之)/ mg/kg (milligram per kilogram) = ppm (parts per million)

(2)ND=未检出, 检测值小于定量限/ ND=Not Detected or lower than limit of quantitation

(3)LOQ =定量限/ LOQ =Limit of quantitation

(4)氟(F)、氯(Cl)、溴(Br)、碘(I)的限值引用自 IEC 61249 part 2-21 for “Reinforced base materials, clad and unclad-Non-halogenated epoxide woven E-glass reinforced laminated sheets of defined flammability (vertical burning test), copper – clad”。/ The limits of Fluorine(F), Chlorine(Cl), Bromine(Br), Iodine(I) were quoted from IEC 61249 part 2-21 for “Reinforced base materials, clad and unclad-Non-halogenated epoxide woven E-glass reinforced laminated sheets of defined flammability (vertical burning test), copper –clad”.

技术



检测专
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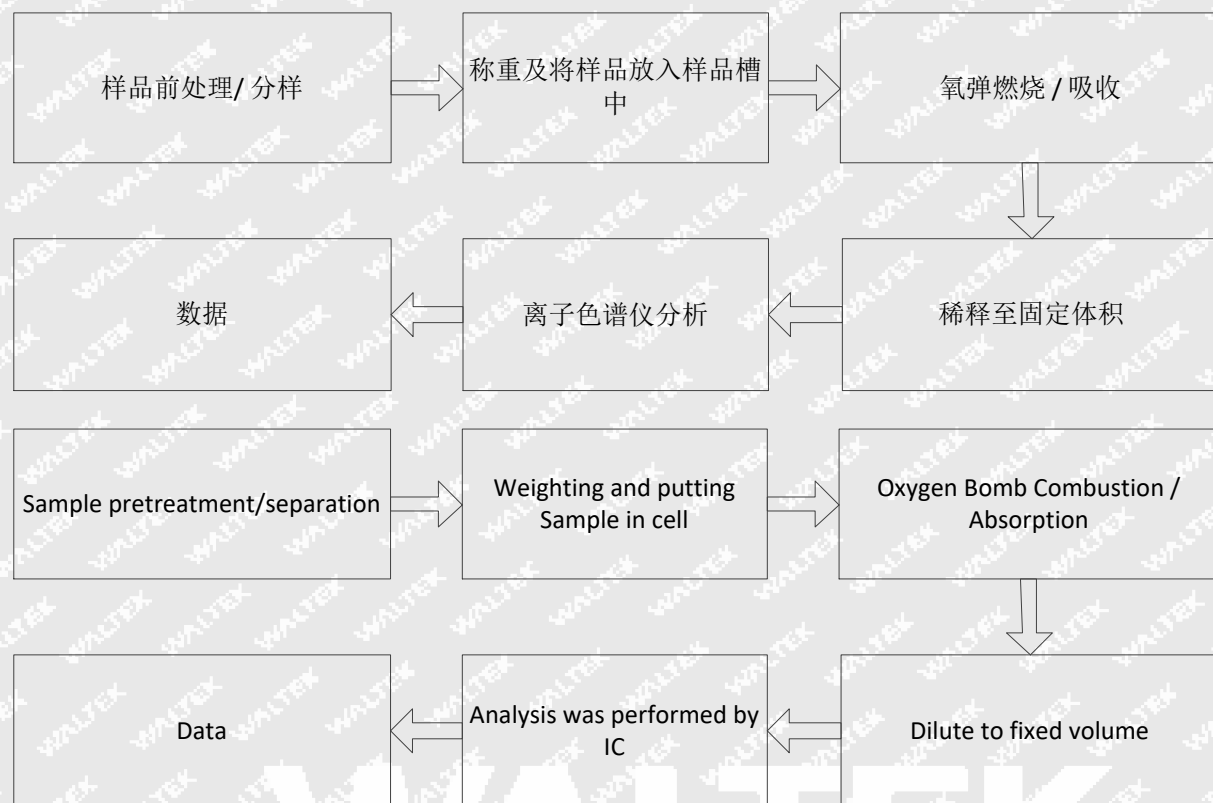
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测试流程图 / Testing Flow chart:



样品描述 / Specimen Description:

样品编号 Specimen No.	样品描述 Specimen Description
2	蓝色压敏电阻 Blue varistor



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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.

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