



**BUREAU  
VERITAS**

# TEST REPORT

LAB NO. : (6607)337-0731  
DATE : December 7, 2007  
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**APPLICANT** : **BOURNS (XIAMEN) LTD**  
4/5 F, Guangyao Building Torch Hi-Tech, Industrial  
Development Zone Xiamen

申请人公司名称 : 柏恩氏(厦门)电子有限公司  
厦门火炬高技术产业开发区光耀楼 4/5 楼

**CONTACT PERSON** : Jessica Wu  
联系人名称

**DATE OF SUBMISSION** : December 3, 2007  
样品收取日期 : 2007年12月3日

**TEST PERIOD** : December 3, 2007 to December 7, 2007  
所需工作周期 : 2007年12月3日至2007年12月7日

**NO. OF WORKING DAY(S)** : 5  
所需工作日 : 5

**SAMPLE DESCRIPTION** : Resettable fuse (silvery)  
样品描述 : Model No.: F7 strapytype family  
Manufacturer: BXL

## SUMMARY OF TEST RESULTS 测试结果摘要

TEST REQUESTED 测试项目	PASS 通过	FAIL 不通过	REMARK 备注
Restriction of Hazardous Substances Directive (RoHS), 2002/95/EC 有关欧洲针对电子产品的指令(电子电器禁用某些有害 物质指令), 2002/95/EC	X		

### REMARK 备注

If there are questions or concerns on this report, please contact the following persons:

若有任何疑问或咨询, 可通过下述联络方式与我们联系

General enquiry and invoicing  
其他问题

顾晶/ 刘婷婷 小姐 Ms. Michelle Gu/ Sedy Liu  
(021) 64893130\*2008/ 2012  
Michelle.gu@cn.bureauveritas.com/ Sedy.liu@cn.bureauveritas.com

Technical enquiry  
技术问题

李远明/ 云大陆 先生 Mr. Steven Li/ Darryl Yun  
(021) 64893130\*2256/ 1060  
Steven.li@cn.bureauveritas.com/Darryl.yun@cn.bureauveritas.com

**BUREAU VERITAS**  
**CONSUMER PRODUCTS SERVICES DIVISION (SHANGHAI)**  
法国国际检验局 - 上海申美商品检测有限公司

PREPARED BY : Emma  
制定:

Steven Li  
李远明 Steven Li  
化学实验室经理 CHEMICAL LABORATORY MANAGER

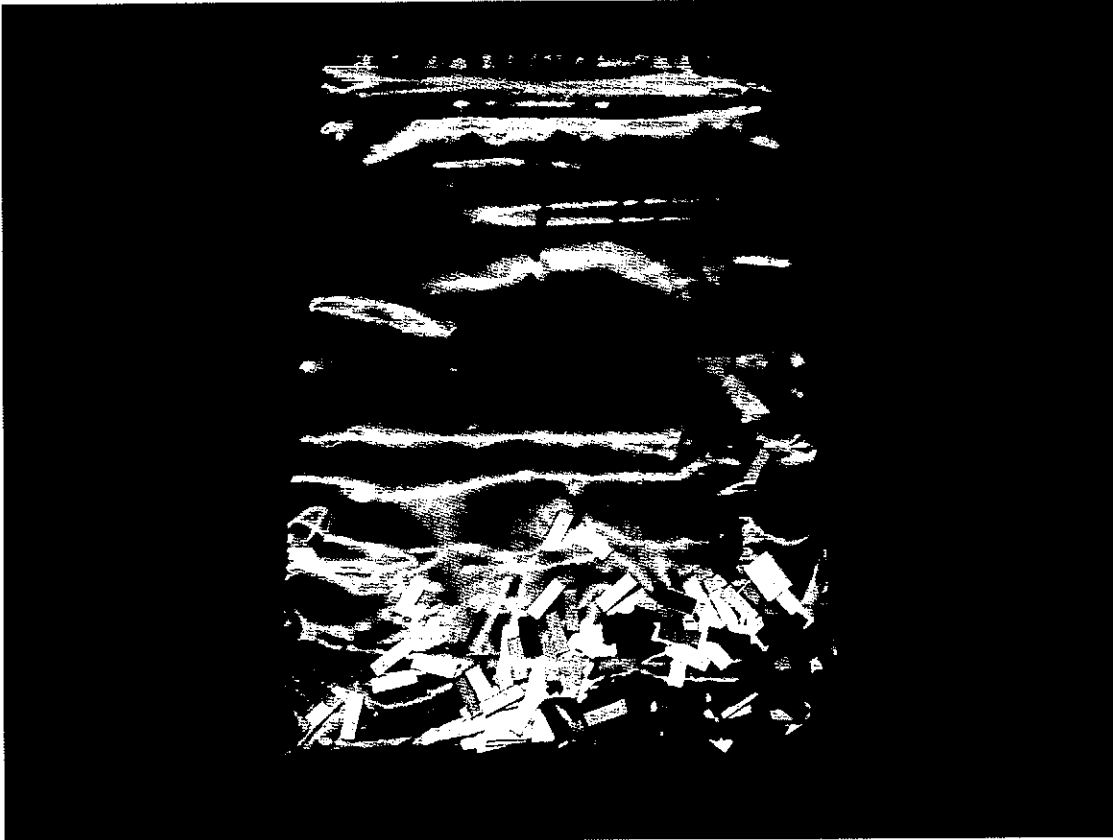
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**Photo of the Submitted Sample**





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**TEST RESULT**  
**测试结果**

**Restriction of Hazardous Substances Directive (RoHS), 2002/95/EC**  
 有关欧洲针对电子产品的指令（电子电器禁用某些有害物质指令），2002/95/EC

Compounds 化合物	Tested item (ppm) 测试项目(ppm)	RoHS' Limits (ppm)
	1	RoHS' 建议最高界限 (ppm)
Lead (Pb) 铅(Pb)	8.21	1000
Mercury (Hg) 汞(Hg)	ND	1000
Cadmium (Cd) 镉(Cd)	ND	100
Chromium VI (Cr VI) 六价铬(Cr (VI))	Negative <sup>2)</sup>	Negative
Polybrominated Biphenyls (PBBs) : 多溴联苯(PBBs)		
Bromobiphenyls 一溴联苯	ND	/
Dibromobiphenyls 二溴联苯	ND	
Tribromobiphenyls 三溴联苯	ND	
Tetrabromobiphenyls 四溴联苯	ND	
Pentabromobiphenyls 五溴联苯	ND	
Hexabromobiphenyls 六溴联苯	ND	
Heptabromobiphenyls 七溴联苯	ND	
Octabromobiphenyls 八溴联苯	ND	
Nonabromobiphenyls 九溴联苯	ND	
Decabromobiphenyl 十溴联苯	ND	
Sum of PBBs 多溴联苯总和	ND	1000



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**TEST RESULT**  
**测试结果**

**Restriction of Hazardous Substances Directive (RoHS), 2002/95/EC**  
 有关欧洲针对电子产品的指令（电子电器禁用某些有害物质指令），2002/95/EC

Compounds 化合物	Tested item (ppm) 测试项目(ppm)	RoHS' Limits (ppm)
	1	RoHS' 建议最高界限 (ppm)
Polybrominated Diphenyl Ethers (PBDEs) : 多溴联苯醚(PBDEs) :		
Bromodiphenyl ethers 一溴联苯醚	ND	/
Dibromodiphenyl ethers 二溴联苯醚	ND	
Tribromodiphenyl ethers 三溴联苯醚	ND	
Tetrabromodiphenyl ethers 四溴联苯醚	ND	
Pentabromodiphenyl ethers 五溴联苯醚	ND	
Hexabromodiphenyl ethers 六溴联苯醚	ND	
Heptabromodiphenyl ethers 七溴联苯醚	ND	
Octabromodiphenyl ethers 八溴联苯醚	ND	
Nonabromodiphenyl ethers 九溴联苯醚	ND	
Decabromodiphenyl ether 十溴联苯醚	ND	
Sum of PBDEs 多溴联苯醚总和	ND	

Tested Item 测试项目	Conclusion 结论
1) Resettable fuse (silvery metal)	PASS 通过



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Note / 注释:

Detection limits for regulated substances and limit of RoHS (in ppm) reference to 2002/95/EC

Table with 3 columns: Regulated Substances 受限物质, Detection limit 检测限, RoHS' Limit (ppm) RoHS' 建议最高界限. Rows include Pb, Hg, Cd, Cr VI, PBBs, and PBDEs with their respective limits and chemical names.

ppm = mg/kg <= less than ND = not detected Negative = 阴性
ppm = 百万分之一 <= 少于 ND = 不被检出 Positive = 阳性

Test Method / 测试方法:

Wet Chemistry Tests - Reference to IEC 62321/54/CDV, "Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products": 湿化学方法 - 参照 IEC 62321/54/CDV: 测定电工产品中常规物质等级的程序版本

- i. Lead (Pb) and Cadmium (Cd): The sample is comminuted and digested with acid mixtures. Pb/ Cd contents are determined with ICP-AES technique. (Chapter 11, 12 & 13)
ii. Mercury (Hg): The sample is comminuted and digested with acid mixtures. Hg content is determined with ICP-AES, ICP-MS or AAS-VGA technique. (Chapter 10)
iii. Chromium (VI) (Cr VI) 六价铬: A. Metal: Qualitative method for the presence of hexavalent chromium on metal surface... B. Plastics & Electronics: The sample is comminuted and digested with alkaline mixtures...
iv. PBBs and PBDEs: The sample extracted by appropriate solvent is used for extraction and quantified GC-MS. (Chapter 7)

Remark / 备注:

- 1. For Chromium VI of a metal composite sample by wet chemistry, each individual metal component was tested.
2. Positive means the presence of hexavalent chromium on the tested areas. It is regarded as in conflict with RoHS requirements.
3. The result relates only to the tested item. The report shall not be reproduced except full without the written approval of the testing laboratory.

END