



**BUREAU
VERITAS**

TEST REPORT

LAB NO. : (6618)351-1185
DATE : December 20, 2018
PAGE : 1 OF 6

Applicant 申请人公司名称:

HUZHOU TIANLIZHENGLONG ELECTRONIC TECHNOLOGY CO.,LTD

湖州天骊正隆电子科技有限公司

INDUSRIAL PARK BALIDIAN HUZHOU ZHEJIANG CHINA/浙江湖州吴兴区八里店镇科技创业园 19 号楼

Date of Submission 样品收取日期: 2018-12-17
Test Period 所需工作周期: 2018-12-17 to 2018-12-20
BV EE Ref. No. BV 参考编号: /

Sample Description 样品描述:		Sample(s) received is(are) stated to be 收到的送测样品为: 增强树脂基碳带, 树脂碳带黑色	
Manufacturer 制造商:	HUZHOU TIANLIZHENGLONG ELECTRONIC TECHNOLOGY CO.,LTD	Buyer 买家:	/
Style No(s) 款号:	TL-TAS32	PO No. 采购订单号:	/
Country of Origin 原产国:	HUZHOU,ZHEJIANG,CHINA	Country of Destination 目的国:	Oversea Country

Test Item(s) 测试项目: Details see page 2 详见第二页

SUMMARY OF TEST RESULTS 测试结果摘要

TEST REQUESTED 测试要求	CONCLUSION 结论
Phthalate Test – Reference to (EU) 2015/863 amending Annex II to Directive 2011/65/EU & As Applicant’s requirement 邻苯二甲酸盐测试 – 参照指令 2011/65/EU 附录 II 的修订指令 (EU) 2015/863&按照客户要求	PASS 通过
European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendments 有全欧盟委员会针对电子产品的指令(电子电器禁用某些有害物质指令), 2011/65/EU 及其修订指令	PASS 通过

Note 注释: The tested part of the sample was specified by client. 样品的测试部位由客户指定
The test conclusion was given based on the results of tested part. 结论基于测试部位结果
Chinese translation of report just for reference only, English report shall prevail. 如有异议以英文报告内容为准。
报告中文翻译仅供参考, 如有异议以英文报告内容为准。

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

Technical enquiry

技术问题

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**BUREAU VERITAS
CONSUMER PRODUCTS SERVICES DIVISION (SHANGHAI)
必维国际检验集团-必维申美商品检测(上海)有限公司**

Laboratory Test Location 实验室检测地址:

No.368,Guangzhong Road, Zhuanqiao Town, Minhang, Shanghai 上海市闵行区光中路 368 号

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制定:

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**BUREAU
VERITAS**

Sample Description Assigned by Laboratory:

实验室对样品的描述:

Test Item 测试项目	Description 描述
1	Black soft plastic

Note 注释:

g = gram(s) 克	% = percentage 百分比
mcg = microgram(s) 微克	1 mg/kg = 0.0001%
mg/kg = milligram per kilogram 毫克每千克	"<" = less than 小于
mg/L = milligram per litre 毫克每升	">" = Greater than 大于
g/kg = gram(s) per kilogram 克每千克	Req. = Requirement 要求
MDL = Method Detection Limit 方法检测限	"-" = Not Regulated 未规定
ND = Not Detected (< MDL) 未检出	NA = Not applicable 不适用
EX = Exempted 豁免	

Photo of the Submitted Sample
递交样品照片





**BUREAU
VERITAS**

LAB NO. : (6618)351-1185
DATE : December 20, 2018
PAGE : 3 OF 6

TEST RESULT 测试结果

Phthalate Test – Reference to (EU) 2015/863 amending Annex II to Directive 2011/65/EU & As Applicant’s requirement
邻苯二甲酸盐测试 – 参照指令 2011/65/EU 附录 II 的修订指令 (EU) 2015/863&按照客户要求

Test Method: Reference to IEC 62321-8: 2017.
测试方法: 参照 IEC 62321-8: 2017.

Maximum Allowable Limit : 0.1% (Each)
最大允许限值: 0.1%(各)

Parameter 参数	CAS No.	Unit 单位	MDL 方法检测限	Result 结果
				1
Dibutyl phthalate (DBP) 邻苯二甲酸二丁酯	84-74-2	%	0.005	ND
Butyl benzyl phthalate (BBP) 邻苯二甲酸丁基苄基酯	85-68-7	%	0.005	ND
Di-2-ethylhexyl phthalate (DEHP) 邻苯二甲酸二(2-乙基己基)酯	117-81-7	%	0.005	ND
Diisobutyl phthalate (DIBP) 邻苯二甲酸二异丁酯	84-69-5	%	0.005	ND
Conclusion 结论	-	-	-	PASS 通过



**BUREAU
VERITAS**

LAB NO. : (6618)351-1185
DATE : December 20, 2018
PAGE : 4 OF 6

TEST RESULT 测试结果

European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendments
有关欧盟委员会针对电子产品的指令(电子电器禁用某些有害物质指令), 2011/65/EU 及其修订条款

Test Method 测试方法 : See Appendix. 见附录。

	Unit 单位	Maximum Allowable Limit (Req.) 最大允许限值 (要求)	Result 结果
Test Item 测试项目	-	-	1
Parameter 参数	-	-	-
Lead (Pb)铅	mg/kg	1000	ND
Cadmium (Cd)镉	mg/kg	100	ND
Mercury (Hg)汞	mg/kg	1000	ND
Chromium VI (Cr VI)六价铬	mg/kg	1000	ND
MonoBB 一溴联苯	mg/kg		ND
DiBB 二溴联苯	mg/kg		ND
TriBB 三溴联苯	mg/kg		ND
TetraBB 四溴联苯	mg/kg		ND
PentaBB 五溴联苯	mg/kg		ND
HexaBB 六溴联苯	mg/kg		ND
HeptaBB 七溴联苯	mg/kg		ND
OctaBB 八溴联苯	mg/kg		ND
NonaBB 九溴联苯	mg/kg		ND
DecaBB 十溴联苯	mg/kg		ND
Sum of PBBs 多溴联苯总和	mg/kg	1000	ND
MonoBDE 一溴二苯醚	mg/kg		ND
DiBDE 二溴二苯醚	mg/kg		ND
TriBDE 三溴二苯醚	mg/kg		ND
TetraBDE 四溴二苯醚	mg/kg		ND
PentaBDE 五溴二苯醚	mg/kg		ND
HexaBDE 六溴二苯醚	mg/kg		ND
HeptaBDE 七溴二苯醚	mg/kg		ND
OctaBDE 八溴二苯醚	mg/kg		ND
NonaBDE 九溴二苯醚	mg/kg		ND
DecaBDE 十溴二苯醚	mg/kg		ND
Sum of PBDEs 多溴二苯醚总和	mg/kg	1000	ND
Conclusion 结论	-	-	PASS 通过



**BUREAU
VERITAS**

LAB NO. : (6618)351-1185
DATE : December 20, 2018
PAGE : 5 OF 6

Note / Key 注释:

Detection Limit 检出限(mg/kg) :

Each (Pb, Cd & Hg) 2; Cr VI 8;各 (铅, 镉和汞) 2; 六价铬 8;

Each PBB 5; Each PBDE 5 各多溴联苯 5; 各多溴二苯醚 5

Remark 备注:

- The list of analytes is summarized in table of Appendix. 分析物列表 – 见附录。
- Result(s) of Cr VI for metallic material(s) was (were) expressed in term of positive and negative. Negative means the absence of Cr VI on the tested areas and the result(s) was (were) regarded as in compliance with European Parliament and Council Directive 2011/65/EU, Article 4(1). While, positive means the presence of Cr VI on tested areas and the result(s) was (were) regarded as in conflict with European Parliament and Council Directive 2011/65/EU, Article 4(1).
金属材料的六价铬结果以阴性和阳性表示。阴性表示六价铬未被检出在测试表面，即结果被认为符合 2011/65/EU 指令中，条款 4(1) 的要求。而阳性则表示六价铬存在在测试表面，即不符合 2011/65/EU 指令中，条款 4(1)的要求。
- According to European Parliament and Council Directive 2011/65/EU, Article 5 “Adaptation of the Annexes to scientific and technical progress”, exemption(s) should be granted to the materials and components of Test Item(s) in the lists in Annexes III and IV of this directive.
根据欧盟委员会 2011/65/EU 指令中，条款 5“适应科学技术进步的附件”，附件 III 和 IV 中列明的测试项目中的材料和部件可予以豁免。

END
结束



BUREAU
VERITAS

LAB NO. : (6618)351-1185
DATE : December 20, 2018
PAGE : 6 OF 6

APPENDIX 附录

List of Analytes and their Corresponding Test Methods [European Parliament and Council Directive 2011/65/EU] : 分析物名单及其相应的测试方法 欧盟委员会指令 2011/65/EU :		
No.	Name of Analytes 分析物名称	Test Method(s) 测试方法
1	Lead (Pb) 铅	With reference to IEC 62321-5: 2013.
2	Cadmium (Cd) 镉	参照 IEC 62321-5: 2013.
3	Mercury (Hg) 汞	With reference to IEC 62321-4: 2013+AMD1: 2017 CSV. 参照 IEC 62321-4: 2013+AMD1: 2017 CSV.
4	Chromium VI (Cr VI) 六价铬	<u>Metal 金属:</u> With reference to IEC 62321-7-1:2015. 参照 IEC 62321-7-1: 2015. <u>Polymers & Electronics 聚合物及电子件:</u> With reference to IEC 62321-7-2: 2017. 参照 IEC 62321-7-2: 2017.
5	Polybromobiphenyls (PBBs) 多溴联苯 - Bromobiphenyl (MonoBB) - Dibromobiphenyl (DiBB) - Tribromobiphenyl (TriBB) - Tetrabromobiphenyl (TetraBB) - Pentabromobiphenyl (PentaBB) - Hexabromobiphenyl (HexaBB) - Heptabromobiphenyl (HeptaBB) - Octabromobiphenyl (OctaBB) - Nonabromobiphenyl (NonaBB) - Decabromobiphenyl (DecaBB)	With reference to IEC 62321-6:2015. 参照 IEC 62321-6:2015.
6	Polybromodiphenyl ethers (PBDEs) 多溴二苯醚 - Bromodiphenyl ether (MonoBDE) - Dibromodiphenyl ether (DiBDE) - Tribromodiphenyl ether (TriBDE) - Tetrabromodiphenyl ether (TetraBDE) - Pentabromodiphenyl ether (PentaBDE) - Hexabromodiphenyl ether (HexaBDE) - Heptabromodiphenyl ether (HeptaBDE) - Octabromodiphenyl ether (OctaBDE) - Nonabromodiphenyl ether (NonaBDE) - Decabromodiphenyl ether (DecaBDE)	With reference to IEC 62321-6:2015. 参照 IEC 62321-6:2015.