

检测报告

Test Report

报告编号: SLT221022005-2
NO.:
委托方名称: 深圳光华伟业股份有限公司
Client: Shenzhen Esun Industrial Co., Ltd.
委托方地址: 广东省深圳市南山区-粤兴二道 6 号武汉大学深圳产学研大楼 A403-I 及 A901
Client's Address: Wuhan University Building A403-I and A901, No. 6 Yuexing 2 Road, Nanshan District, Shenzhen, China

以下检测之样品及样品信息由申请者提供并确认

Samples information of the following tests are provided and confirmed by the applicant

样品名称: ePLA-Silk Magic, PLA+, ABS+, PETG
Sample Name:
样品型号: /
Mode/Type:
样品接收日期: Oct 22, 2022
Sample Receiving Date:
样品检测日期: Oct 22, 2022~Oct 27, 2022
Test Date:
检测依据及结果: 请参见下页
Test Method&Result: See the next page

检测要求: 根据客户要求, 依据指令 2011/65/EU 及修改指令(EU)2015/863 对所提交样品中的镉 (Cd)、
Test Requested: 铅 (Pb)、汞 (Hg)、六价铬 (Cr(VI))、多溴联苯 (PBBs)、多溴二苯醚 (PBDEs)、邻苯二甲酸丁基苯酯 (BBP)、邻苯二甲酸二丁酯 (DBP)、邻苯二甲酸二(2-乙基己基)酯 (DEHP)、邻苯二甲酸二异丁酯 (DIBP) 进行检测。
As specified by client, according to RoHS Directive 2011/65/EU with amendment (EU) 2015/863 to test Cadmium (Cd), Lead (Pb), Mercury (Hg), Hexavalent chromium (Cr(VI)), Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), Bis (2-ethylhexyl) phthalate (DEHP), and Diisobutyl phthalate (DIBP) in the submitted sample(s).



企业公众号



报告防伪查询

Corporate public number Report anti-counterfeiting query

报告制作: Jing Yu
Reported by:

报告批准: Yan-hai' Lee
Approved by:

报告审核: Xiao yun Wang
Inspected by:

报告日期: Oct 27, 2022
Date of issue:



公司名称: 山东莱恩检测技术服务有限公司

Company: Shandong Lion Testing Technology Service Co., Ltd

地址: 山东省烟台市经济技术开发区上海大街 21 号大兴工业园内 C-4

Add: C-4, No. 21, Daxing Industrial Park, Shanghai Street, Development Zone, Yantai, Shandong

投诉电话 (Complaint Tel): 0535-6957815

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检测方法 (Test Method) :

检测项目 Test Item(s)	检测方法 Test Method(s)	检测仪器 Test Equipment(s)
镉 (Cd)	IEC 62321-5:2013	ICP-OES
铅 (Pb)	IEC 62321-5:2013	ICP-OES
汞 (Hg)	IEC 62321-4:2013+A1:2017	ICP-OES
六价铬 (Cr(VI))	IEC 62321-7-2:2017	UV-Vis
多溴联苯 (PBBs)	IEC 62321-6:2015	GC-MS
多溴二苯醚 (PBDEs)	IEC 62321-6:2015	GC-MS
邻苯二甲酸丁基苯酯 Butyl benzyl phthalate(BBP)	IEC 62321-8:2017	GC-MS
邻苯二甲酸二丁酯 Dibutyl phthalate (DBP)	IEC 62321-8:2017	GC-MS
邻苯二甲酸二(2-乙基己基)酯 Bis (2-ethylhexyl) phthalate (DEHP)	IEC 62321-8:2017	GC-MS
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP)	IEC 62321-8:2017	GC-MS

检测结果 (Test Result) :

单位 (Unit) : mg/kg

检测项目 Test Item(s)	检测结果 Test Result(s)	方法检出限 MDL	EU RoHS 指令限值 EU RoHS Limit
镉 (Cd)	ND	1	100
铅 (Pb)	ND	2	1000
汞 (Hg)	ND	2	1000
六价铬 (Cr(VI))	ND	7	1000
一溴联苯 (Monobromobiphenyl)	ND	5	—
二溴联苯 (Dibromobiphenyl)	ND	5	—
三溴联苯 (Tribromobiphenyl)	ND	5	—
四溴联苯 (Tetrabromobiphenyl)	ND	5	—
五溴联苯 (Pentabromobiphenyl)	ND	5	—
六溴联苯 (Hexabromobiphenyl)	ND	5	—
七溴联苯 (Heptabromobiphenyl)	ND	5	—
八溴联苯 (Octabromobiphenyl)	ND	5	—
九溴联苯 (Nonabromobiphenyl)	ND	5	—
十溴联苯 (Decabromobiphenyl)	ND	5	—
多溴联苯总和 (Sum of PBBs)	ND	—	1000
一溴二苯醚 (Monobromodiphenyl ether)	ND	5	—
二溴二苯醚 (Dibromodiphenyl ether)	ND	5	—
三溴二苯醚 (Tribromodiphenyl ether)	ND	5	—
四溴二苯醚 (Tetrabromodiphenyl ether)	ND	5	—
五溴二苯醚 (Pentabromodiphenyl ether)	ND	5	—

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单位 (Unit) : mg/kg

检测项目 Test Item(s)	检测结果 Test Result(s)	方法检出限 MDL	EU RoHS 指令限值 EU RoHS Limit
六溴二苯醚 (Hexabromodiphenyl ether)	ND	5	—
七溴二苯醚 (Heptabromodiphenyl ether)	ND	5	—
八溴二苯醚 (Octabromodiphenyl ether)	ND	5	—
九溴二苯醚 (Nonabromodiphenyl ether)	ND	5	—
十溴二苯醚 (Decabromodiphenyl ether)	ND	5	—
多溴二苯醚总和 (Sum of PBDEs)	ND	—	1000
邻苯二甲酸丁基苯酯 Butyl benzyl phthalate (BBP)	ND	30	1000
邻苯二甲酸二丁酯 Dibutyl phthalate (DBP)	ND	30	1000
邻苯二甲酸二(2-乙基己基)酯 Bis (2-ethylhexyl) phthalate (DEHP)	ND	30	1000
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP)	ND	30	1000
结论: 符合。 Conclusion: Pass.			

备注 (Remark) :

ND= Not Detected (未侦测出) (<MDL) .

方法检出限 = Method Detection Limit (MDL) .

“—”= 未规定。

“—”= Not specified.

1mg/kg=0.0001% (wt).

以上测试结果为所有样品混测之结果。

The above test results are mixed results of all samples.

样品图片 (Sample Picture) :

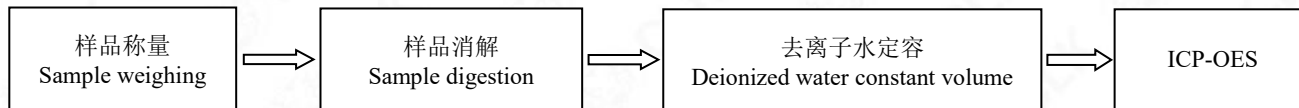


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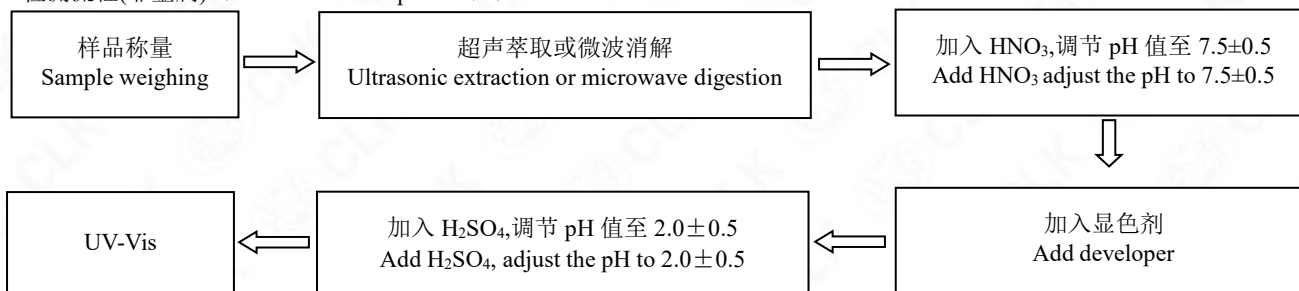
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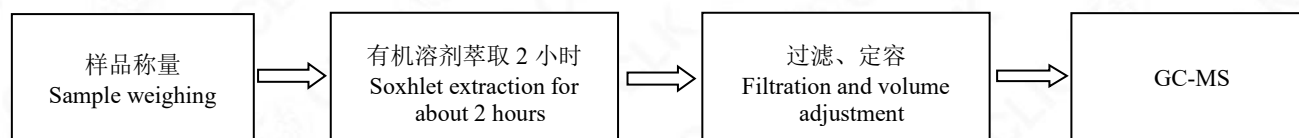
Pb/Cd/Hg 检测流程 (test process) :



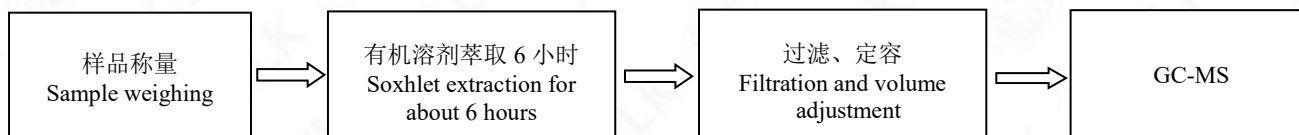
Cr⁶⁺检测流程(非金属) (non-metallic test process) :



PBBs/PBDEs 检测流程 (test process) :



邻苯二甲酸酯检测流程 (phthalate test process) :



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注 (Notes) :

1. 本实验室是中国合格评定国家认可委员会 (CNAS) 认可实验室, 证书编号为: CNAS L11111;
This laboratory is accredited by the China National Accreditation Service for Conformity Assessment (CNAS), and the certificate number is: CNAS L11111;
2. 本检测报告仅对检测样品负责;
The results relate only to the test sample(s);
3. 未经本实验室书面批准, 不得部分复制此报告;
This report shall not be duplicated partially except with the written approval of the our laboratory;
4. 检测报告无批准人签字及报告专用章无效;
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5. 本报告中的数据结果供科研、教学、企业内部质量控制、产品研发等目的用;
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