

检测报告
Test Report报告编号 ECL01J010365017E
Report No. ECL01J010365017E第 1 页 共 9 页
Page 1 of 9申请单位 海尔曼太通(无锡)电器配件有限公司
Applicant HELLERMANNTYTON(WUXI)ELECTRICAL ACCESSORIES CO.LTD.地 址 江苏省无锡市新加坡工业园行创八路231号
Address NO.231,XINGCHUANG BA LU,WUXI-SINGAPORE INDUSTRIAL
PARK,WUXI,JIANGSU PROVINCE

以下测试之样品及样品信息由申请者提供并确认

The following sample(s) and sample information was/were submitted and identified by/on the
behalf of the client样品名称
Sample Name Cable tie-N材料名称
Material 101F NC010样品接收日期
Sample Received Date 2017. 03. 01
Mar. 1, 2017样品检测日期
Testing Period 2017. 03. 01—2017. 03. 04
Mar. 1, 2017 to Mar. 4, 2017检测要求
Test Requested 请参见下页。
Please refer to the following page(s).检测依据/检测结果
Test Method/Test Result(s) 请参见下页。
Please refer to the following page(s).主 检
Tested by 刘杰批准
Approved by 苏红伟实验室高级经理 Senior Laboratory Manager
Centre Testing International Pinbiao(Shanghai) Co., Ltd.审 核
Reviewed by 陶英
日 期
Date 2017.03.04

No. R188381566

上海市浦东新区新金桥路1996号
No.1996,Xinjinqiao Road, Pudong New District, Shanghai, China

检测报告 Test Report

报告编号 ECL01J010365017E
Report No. ECL01J010365017E

第 2 页 共 9 页
Page 2 of 9

结论 Conclusion

测试样品 Tested Sample	依据指令 According to directive	结果 Result
提交样品 Submitted Sample	欧盟RoHS指令2011/65/EU及其修订指令 (EU) 2015/863 RoHS Directive 2011/65/EU with amendment (EU) 2015/863	符合 Pass

符合表示检测结果满足欧盟RoHS指令2011/65/EU及其修订指令(EU) 2015/863要求的限值。

Pass means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.

检测报告 Test Report

报告编号 ECL01J010365017E
Report No. ECL01J010365017E

第 3 页 共 9 页
Page 3 of 9

检测要求

Test Requested

根据客户要求, 对所提交样品中的铅(Pb), 镉(Cd), 汞(Hg), 六价铬(Cr(VI)), 多溴联苯(PBBs), 多溴二苯醚(PBDEs), 邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)进行测试。
As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Phthalates(DBP, BBP, DEHP, DIBP) in the submitted sample(s).

检测依据 Test Method

测试项目 Test Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)
铅(Pb) Lead (Pb)	IEC 62321-5:2013 Ed. 1. 0	ICP-OES
镉(Cd) Cadmium (Cd)	IEC 62321-5:2013 Ed. 1. 0	ICP-OES
汞(Hg) Mercury (Hg)	IEC 62321-4:2013 Ed. 1. 0	ICP-OES
六价铬(Cr(VI)) Hexavalent Chromium(Cr(VI))	IEC 62321:2008 Ed. 1 Annex C	UV-Vis
多溴联苯(PBBs) Polybrominated Biphenyls(PBBs)	IEC 62321-6:2015	GC-MS
多溴二苯醚(PBDEs) Polybrominated Diphenyl Ethers(PBDEs)	IEC 62321-6:2015	GC-MS
邻苯二甲酸酯(DBP, BBP, DEHP, DIBP) Phthalates(DBP, BBP, DEHP, DIBP)	参考IEC 62321-8 CDV Refer to IEC 62321-8 CDV	GC-MS

检测报告 Test Report

报告编号 ECL01J010365017E
Report No. ECL01J010365017E

第 4 页 共 9 页
Page 4 of 9

检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
铅(Pb) Lead (Pb)	N.D.	2 mg/kg	1000 mg/kg
镉(Cd) Cadmium (Cd)	N.D.	2 mg/kg	100 mg/kg
汞(Hg) Mercury (Hg)	N.D.	2 mg/kg	1000 mg/kg
六价铬(Cr(VI)) Hexavalent Chromium (Cr(VI))	N.D.	2 mg/kg	1000 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
多溴联苯(PBBs) Polybrominated Biphenyls(PBBs)			
一溴联苯 Monobromobiphenyl	N.D.	5 mg/kg	1000 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	5 mg/kg	
三溴联苯 Tribromobiphenyl	N.D.	5 mg/kg	
四溴联苯 Tetrabromobiphenyl	N.D.	5 mg/kg	
五溴联苯 Pentabromobiphenyl	N.D.	5 mg/kg	
六溴联苯 Hexabromobiphenyl	N.D.	5 mg/kg	
七溴联苯 Heptabromobiphenyl	N.D.	5 mg/kg	
八溴联苯 Octabromobiphenyl	N.D.	5 mg/kg	
九溴联苯 Nonabromobiphenyl	N.D.	5 mg/kg	
十溴联苯 Decabromobiphenyl	N.D.	5 mg/kg	

检测报告 Test Report

报告编号 ECL01J010365017E
Report No. ECL01J010365017E

第 5 页 共 9 页
Page 5 of 9

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
多溴二苯醚 (PBDEs) Polybrominated Diphenyl Ethers(PBDEs)			
一溴二苯醚 Monobromodiphenyl ether	N.D.	5 mg/kg	1000 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	5 mg/kg	
三溴二苯醚 Tribromodiphenyl ether	N.D.	5 mg/kg	
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	5 mg/kg	
五溴二苯醚 Pentabromodiphenyl ether	N.D.	5 mg/kg	
六溴二苯醚 Hexabromodiphenyl ether	N.D.	5 mg/kg	
七溴二苯醚 Heptabromodiphenyl ether	N.D.	5 mg/kg	
八溴二苯醚 Octabromodiphenyl ether	N.D.	5 mg/kg	
九溴二苯醚 Nonabromodiphenyl ether	N.D.	5 mg/kg	
十溴二苯醚 Decabromodiphenyl ether	N.D.	5 mg/kg	

检测报告 Test Report

报告编号 ECL01J010365017E
Report No. ECL01J010365017E

第 6 页 共 9 页
Page 6 of 9

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL	限值 Limit
邻苯二甲酸酯 Phthalates			
邻苯二甲酸二正丁酯 (DBP) Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸丁基苄酯 (BBP) Butylbenzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二(2-乙基己基)酯 (DEHP) Di-2-ethylhexyl phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg	1000 mg/kg
邻苯二甲酸二异丁酯 (DIBP) Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg	1000 mg/kg

测试样品/部位描述 白色半透明塑料
Tested Sample/Part Description White translucent plastic

备注: 对于检测铅, 镉, 汞之样品已完全溶解。
-N.D. = 未检出 (小于方法检出限)
-mg/kg = ppm = 百万分之一

Remark: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.
-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million

检测报告 Test Report

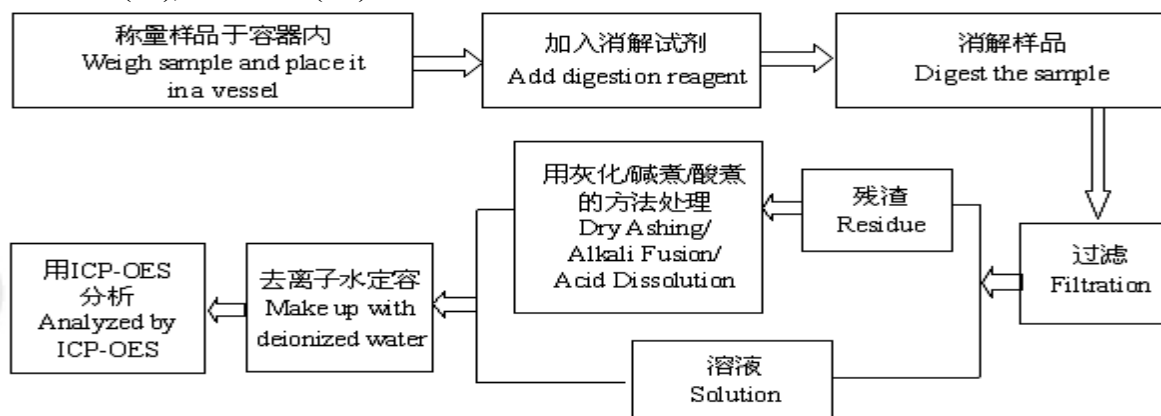
报告编号 ECL01J010365017E
Report No. ECL01J010365017E

第 7 页 共 9 页
Page 7 of 9

检测流程 Test Process

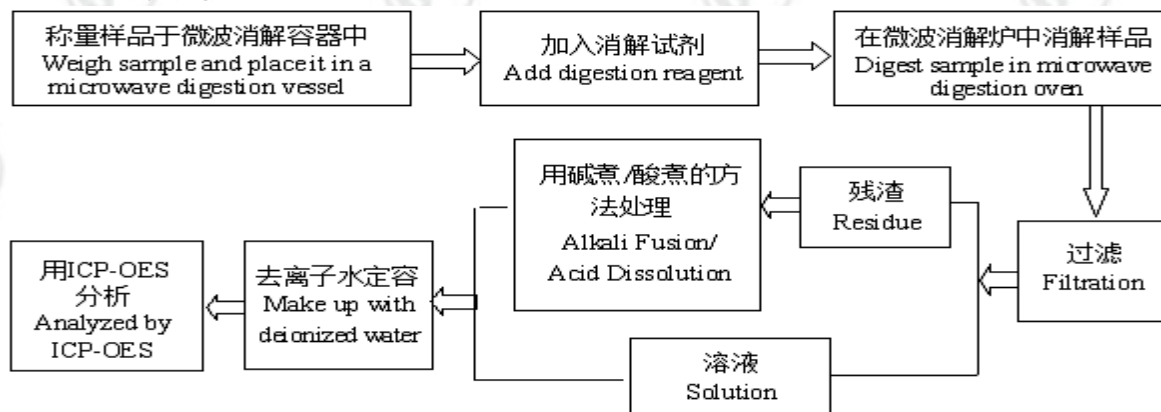
1. 铅(Pb), 镉(Cd)

Lead (Pb), Cadmium (Cd)



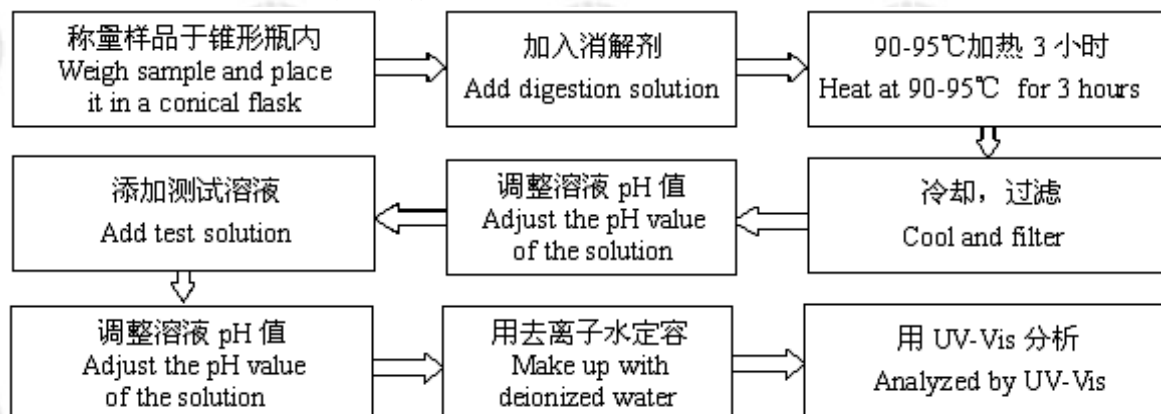
2. 汞(Hg)

Mercury (Hg)



3. 六价铬(Cr(VI))

Hexavalent Chromium(Cr(VI))



检测报告 Test Report

报告编号 ECL01J010365017E

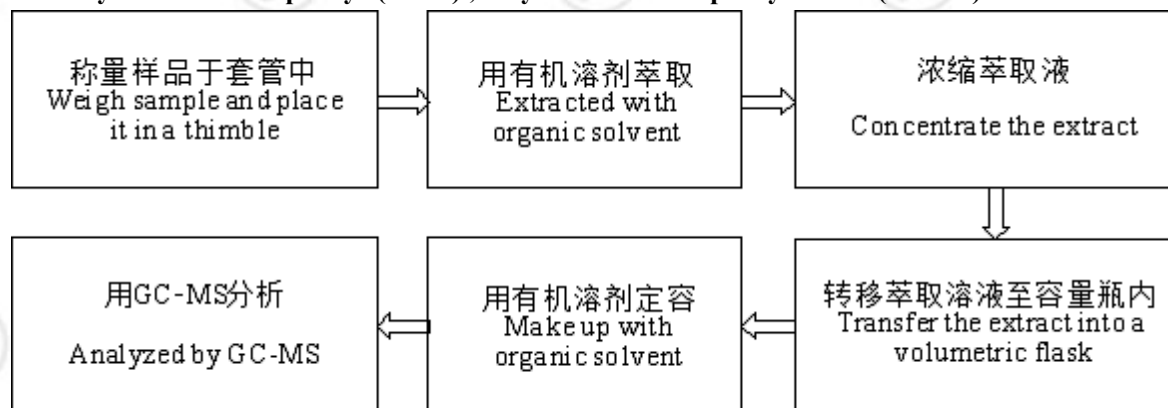
Report No. ECL01J010365017E

第 8 页 共 9 页

Page 8 of 9

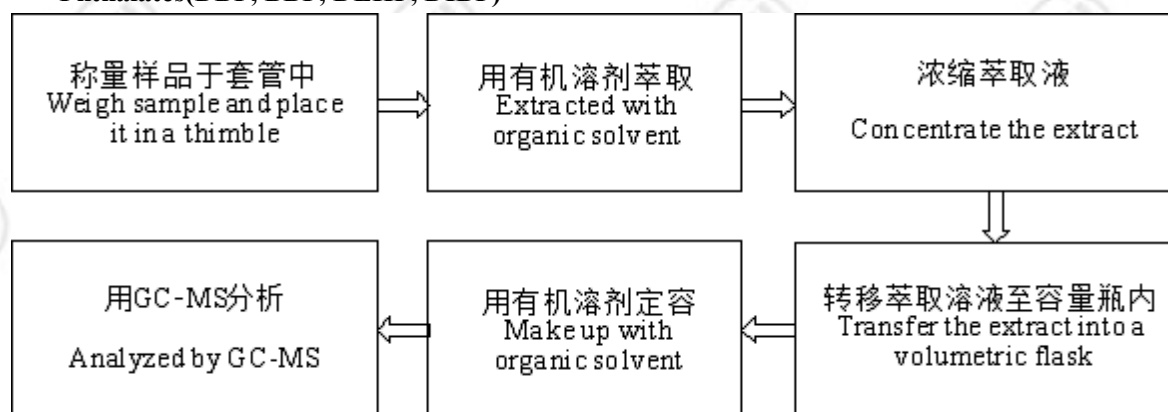
4. 多溴联苯(PBBs), 多溴二苯醚(PBDEs)

Polybrominated Biphenyls(PBBs) , Polybrominated Diphenyl Ethers(PBDEs)



5. 邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)

Phthalates(DBP, BBP, DEHP, DIBP)

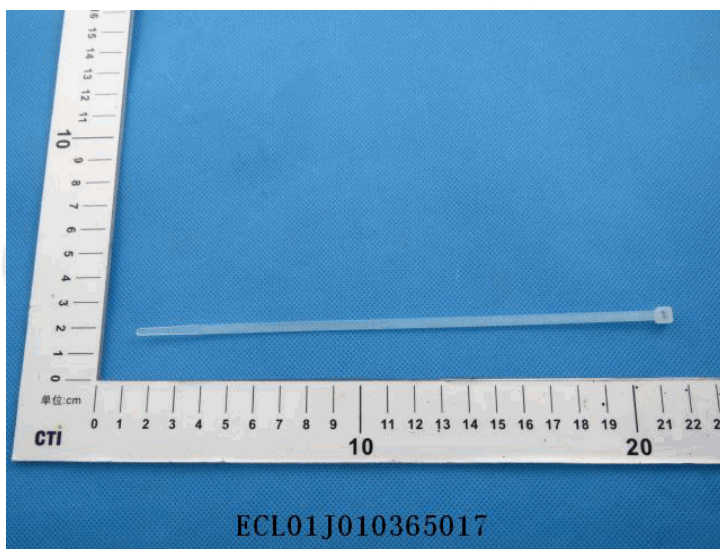


检测报告 Test Report

报告编号 ECL01J010365017E
Report No. ECL01J010365017E

第 9 页 共 9 页
Page 9 of 9

样品图片 Photo(s) of the sample(s)



报告结束
*** End of report ***

检测报告无批准人签字及加盖公司报告章无效，本报告检测结果仅对受测样品负责。未经CTI书面同意，不得部分复制本报告。

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.