

检测报告 Test Report

报告编号 ECL01I010076006E
Report No. ECL01I010076006E

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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 无锡市新加坡工业园行创八路231号
Address 231, XING CHUANG BA LU, WUXI-SINGAPORE INDUSTRIAL PARK,WUXI,
JIANGSU PROVINCE, P.R.CHINA

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 Fixing Ties-HS GN
Sample Name
材料名称 103FHS NC010+ PA51420
Material
样品接收日期 2016.03.02
Sample Received Date Mar. 2, 2016
样品检测日期 2016.03.02-2016.03.07
Testing Period Mar. 2, 2016 to Mar. 7, 2016

检测要求 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)进行测试。
Test Requested As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg),
Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyl(PBBs),
Polybrominated Diphenyl Ethers(PBDEs) in the submitted sample(s).

检测依据/检测结果 请参见下页。
Test Method/Test Result(s) Please refer to the following page(s).

主 检 杨志峰
Tested by
批准 苏红伟
Approved by
苏红伟

审 核 陶英
Reviewed by
日 期 2016.03.07
Date

实验室高级经理 Senior Laboratory Manager
上海华测品标检测技术有限公司
Centre Testing International Pinbiao(Shanghai) Co., Ltd.

No. S201801114
上海市浦东新区新金桥路1996号
No.1996,Xinjinqiao Road, Pudong New District,Shanghai,China

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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	2011/65/EU*	合格 Pass

*2011/65/EU为欧盟RoHS指令(2002/95/EC)的重订指令。该指令对电子电器产品中的特定有毒有害物质(铅(Pb), 镉(Cd), 汞(Hg), 六价铬(Cr(VI)), 多溴联苯(PBBs), 多溴二苯醚(PBDEs))限制使用。
合格表示检测结果不超过欧盟RoHS指令2011/65/EU要求的限值。

*2011/65/EU is a new version of RoHS Directive (2002/95/EC), which focuses on restriction of the use of certain hazardous substances (Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs)) in electrical and electronic equipment.
Pass means that the results shown on the report do not exceed the limits set by RoHS Directive 2011/65/EU.

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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 Biphenyl(PBBs)	IEC 62321-6:2015	GC-MS
多溴二苯醚(PBDEs) Polybrominated Diphenyl Ethers(PBDEs)	IEC 62321-6:2015	GC-MS

检测结果 Test Result(s)

测试项目 Test Item(s)	结果 Result	方法检出限 MDL	2011/65/EU指令限值 Limit of Directive 2011/65/EU
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

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测试项目 Test Item(s)	结果 Result	方法检出限 MDL	2011/65/EU指令限值 Limit of Directive 2011/65/EU
多溴联苯(PBBs) Polybrominated Biphenyl(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	

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测试项目 Test Item(s)	结果 Result	方法检出限 MDL	2011/65/EU指令限值 Limit of Directive 2011/65/EU
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	

测试样品/部位描述 绿色塑料
Tested Sample/Part Description Green 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

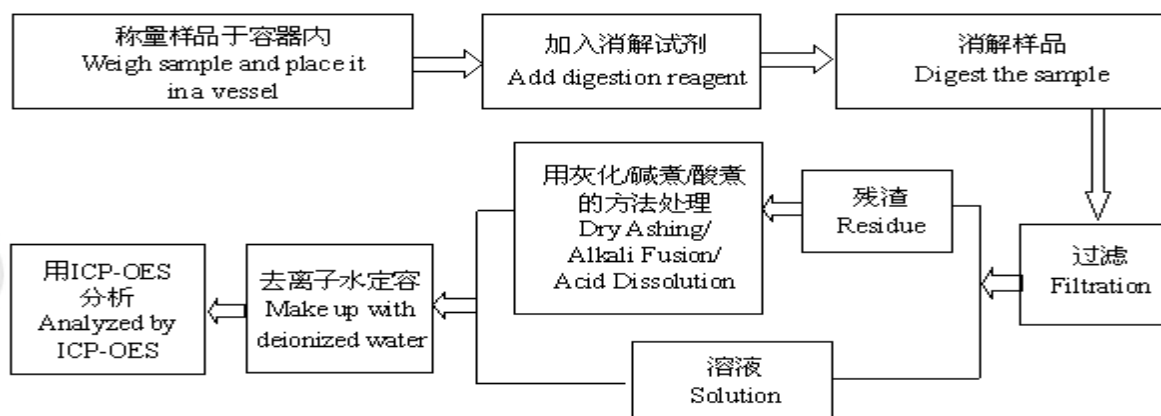
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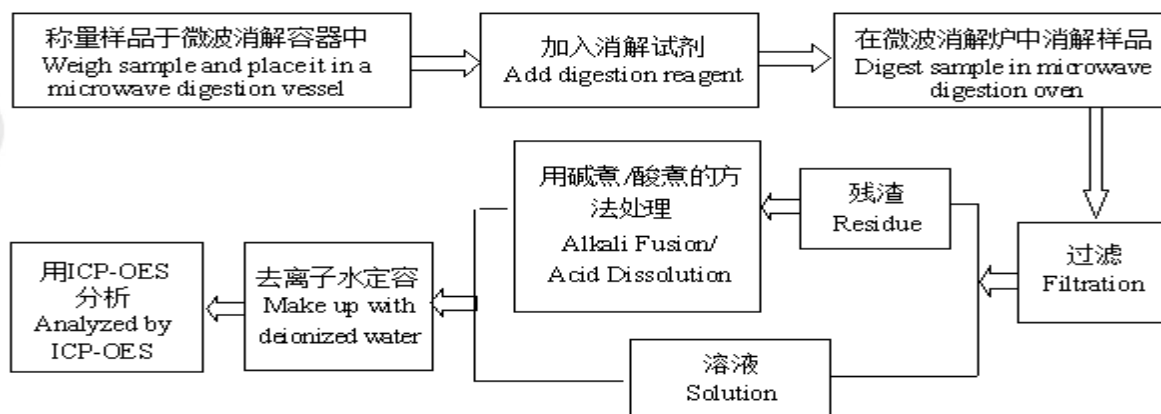
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检测流程 Test Process

1. 铅(Pb), 镉(Cd) Lead (Pb), Cadmium (Cd)



2. 汞(Hg) Mercury (Hg)

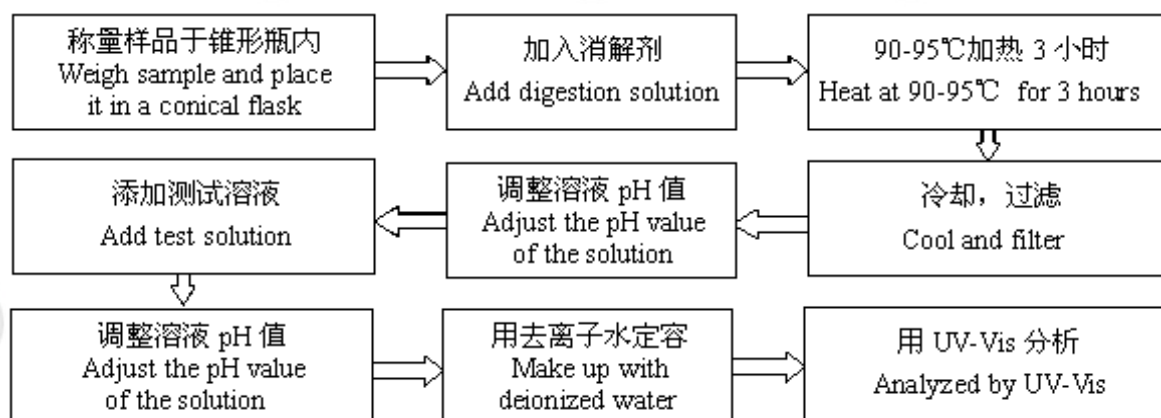


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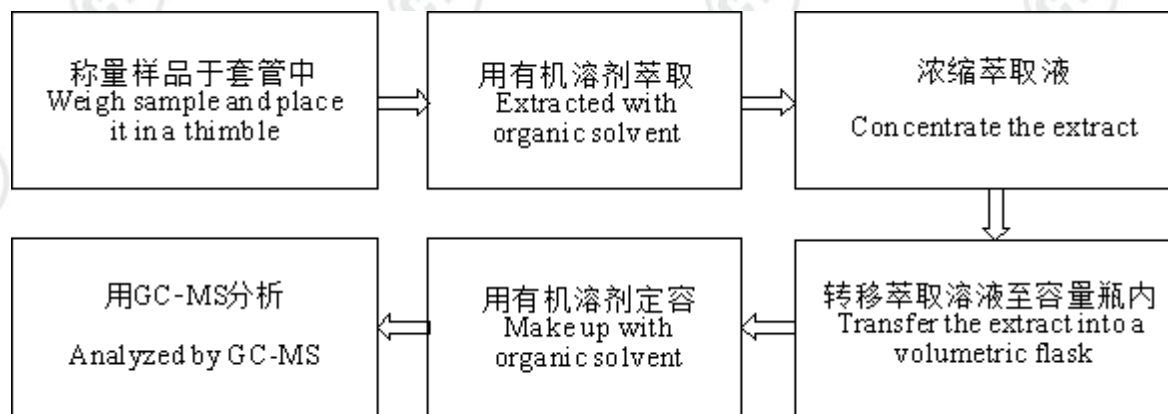
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3. 六价铬(Cr(VI)) Hexavalent Chromium(Cr(VI))



4. 多溴联苯(PBBs), 多溴二苯醚(PBDEs) Polybrominated Biphenyl(PBBs) , Polybrominated Diphenyl Ethers(PBDEs)

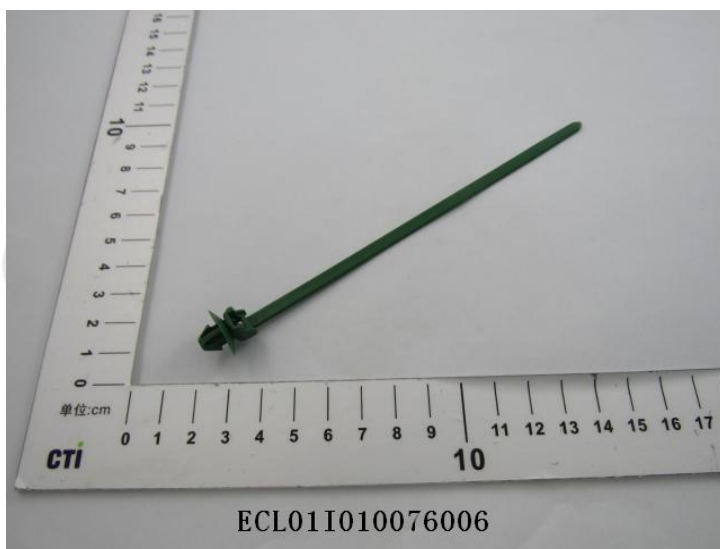


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样品图片 Photo(s) of the sample(s)



报告结束
*** End of report ***

检测报告无批准人签字及“报告专用章”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。

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