



检测报告 TEST REPORT

编号/No.: SH200600046C09

报告日期/Report Date: 2020/06/12

申请单位 : 江阴润玛电子材料股份有限公司
Applicant Jiang Yin RunMa Electronic Material Co.,Ltd
地址 : 江阴市周庄镇欧州工业园区
Address Jiangyin zhouzhuang European industrial park

以下检测样品由申请人提供及确认:

The following sample(s) was/were submitted and identified by/on behalf of the applicant as:

样品名称/Sample Name : 氢氧化钠/ Sodium hydroxide

接收日期/Receiving Date : 2020/06/08

检测周期/Testing Period : 2020/06/08-2020/06/12

检测要求/Test Requested : 参见下一页/Please refer to next page(s).

检测方法/Test Method : 参见下一页/Please refer to next page(s).

检测结果/Test Results : 参见下一页/Please refer to next page(s).

结论/Conclusion : 申请人所提供样品的检测结果符合欧盟 RoHS 修订指令(EU)2015/863 的要求。
/Based on the analysis on the submitted sample, the results **do comply with the**
requirement of RoHS Directive (EU)2015/863.



Approved by Sylvia Hu

审核 刘莺
Reviewed by Ying Liu

第1页 共6页

编制 李辉辉
Redact by Huihui Li

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or available on request. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. The results shown in this Test report refer only to the sample(s) tested unless otherwise stated. This test report shall not be reproduced, except in full, without written approval of the Company. 本报告按本公司所制定之通用服务条款所编制发放。请注意本报告首页背面之此条款, 本公司之义务、免责、管辖权均有明确规定, 该条款也可向本公司索取。除非另有说明, 本报告仅对来样负责, 未经许可, 不得部分复制本报告。

优联(上海)检测有限公司

United (Shanghai) Testing Services Co., Ltd.

地址: 上海市外高桥保税区富特东三路76号2栋楼3层西部位 200131

3/F, Building 2, No. 76, Fute East 3 Road, Waigaoqiao Free Trade Zone, Shanghai, 200131

电话 (Tel): +86(0)21-68902737

(Fax): +86(0)21-68392552

www.uts.com.cn



检测报告

TEST REPORT

编号/No.: SH200600046C09

报告日期/Report Date: 2020/06/12

检测结果/TEST RESULTS:

1. RoHS 10

检测项目 Test Items	检测方法 Methods	方法检测限 MDL (mg/kg)	检测结果 Results (mg/kg)	法规限值* Limited Value (mg/kg)
铅/Pb	M1	2	N.D.	1000
镉/Cd		2	N.D.	100
汞/Hg	M2	2	N.D.	1000
六价铬/Cr (VI)	M3	2	N.D.	1000
一溴联苯/Monobromobiphenyl (MonoBB)	M4	5	N.D.	---
二溴联苯/Dibromobiphenyl (DiBB)		5	N.D.	---
三溴联苯/Tribromobiphenyl (TriBB)		5	N.D.	---
四溴联苯/Tetrabromobiphenyl (TetraBB)		5	N.D.	---
五溴联苯/Pentabromobiphenyl (PentaBB)		5	N.D.	---
六溴联苯/Hexabromobiphenyl (HexaBB)		5	N.D.	---
七溴联苯/Heptabromobiphenyl (HeptaBB)		5	N.D.	---
八溴联苯/Octabromobiphenyl (OctaBB)		5	N.D.	---
九溴联苯/Nonabromobiphenyl (NonaBB)		5	N.D.	---
十溴联苯/Decabromobiphenyl (DecaBB)		5	N.D.	---
上述多溴联苯总和/Total PBBs sum of above		---	N.D.	1000
一溴二苯醚/Monobromodiphenyl ether (MonoBDE)		5	N.D.	---
二溴二苯醚/Dibromodiphenyl ether (DiBDE)		5	N.D.	---
三溴二苯醚/Tribromodiphenyl ether (TriBDE)		5	N.D.	---
四溴二苯醚/Tetrabromodiphenyl ether (TetraBDE)		5	N.D.	---
五溴二苯醚/Pentabromodiphenyl ether (PentaBDE)		5	N.D.	---
六溴二苯醚/Hexabromodiphenyl ether (HexaBDE)		5	N.D.	---
七溴二苯醚/Heptabromodiphenyl ether (HeptaBDE)		5	N.D.	---
八溴二苯醚/Octabromodiphenyl ether (OctaBDE)		5	N.D.	---
九溴二苯醚/Nonabromodiphenyl ether (NonaBDE)		5	N.D.	---
十溴二苯醚/Decabromodiphenyl ether (DecaBDE)		5	N.D.	---
上述多溴二苯醚总和/Total PBDEs sum of above		---	N.D.	1000



检测报告

TEST REPORT

编号/No.: SH200600046C09

报告日期/Report Date: 2020/06/12

检测项目 Test Items	检测方法 Methods	方法检测限 MDL (mg/kg)	检测结果 Results (mg/kg)	法规限值* Limited Value (mg/kg)
邻苯二甲酸二丁酯/Dibutyl Phthalate (DBP)	M5	50	N.D.	1000
邻苯二甲酸丁基苄基酯/Benzylbutyl Phthalate (BBP)		50	N.D.	1000
邻苯二甲酸二(2-乙基己基)酯 /Di-(2-ethylhexyl)Phthalate (DEHP)		50	N.D.	1000
邻苯二甲酸二异丁酯/Diisobutyl phthalate(DIBP)		50	N.D.	1000

注意/Remark: *报告中述及的法规限值根据是欧盟 RoHS 修订指令(EU)2015/863 的要求。/The Limited value is based on the RoHS Directive (EU)2015/863.

2. 卤素 / Halogen

检测项目 Test Item	单位 Unit	检测方法 Methods	方法检测限 MDL	检测结果 Test Result(s)	限值 Limit
氟/Fluorine (F)	mg/kg	M6	30	N.D.	---
氯/Chlorine (Cl)	mg/kg		30	N.D.	900
溴/Bromine (Br)	mg/kg		30	N.D.	900
碘/Iodine (I)	mg/kg		30	N.D.	---
总计/Total (Cl+Br)	mg/kg		---	N.D.	1500

备注 1) “---” = 未明确规定/Not Regulated.

/Note: 2) N.D. = 未检出, 小于方法检测限/Not detected, less than MDL.

3) M1: 参考 IEC 62321-5: 2013, 采用电感耦合等离子体发射光谱仪进行测定。

With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES.

4) M2: 参考 IEC 62321-4: 2013+AMD1: 2017CSV, 采用电感耦合等离子体发射光谱仪进行测定。

With reference to IEC 62321-4: 2013+AMD1: 2017CSV, analysis was performed by ICP-OES.

5) M3: 参考 IEC 62321-7-2: 2017, 采用紫外可见分光光度计进行测定。

With reference to IEC 62321-7-2: 2017, analysis was performed by UV-Vis.

6) M4: 参考 IEC 62321-6: 2015, 采用气相色谱质谱联用仪进行测定。

With reference to IEC 62321-6: 2015, analysis was performed by GC-MS.

7) M5: 参考 IEC 62321-8: 2017, 采用气相色谱-质谱联用仪进行分析。

With reference to IEC 62321-8: 2017, analysis was performed by GC-MS.

8) M6: 参考 EN 14582: 2016, 采用离子色谱法(IC)进行检测。

With reference to EN 14582: 2016, analysis was performed by IC.

9) 本报告所有内容以中文为准/All content in this report is dominated by Chinese.



检测报告

TEST REPORT

编号/No.: SH200600046C09

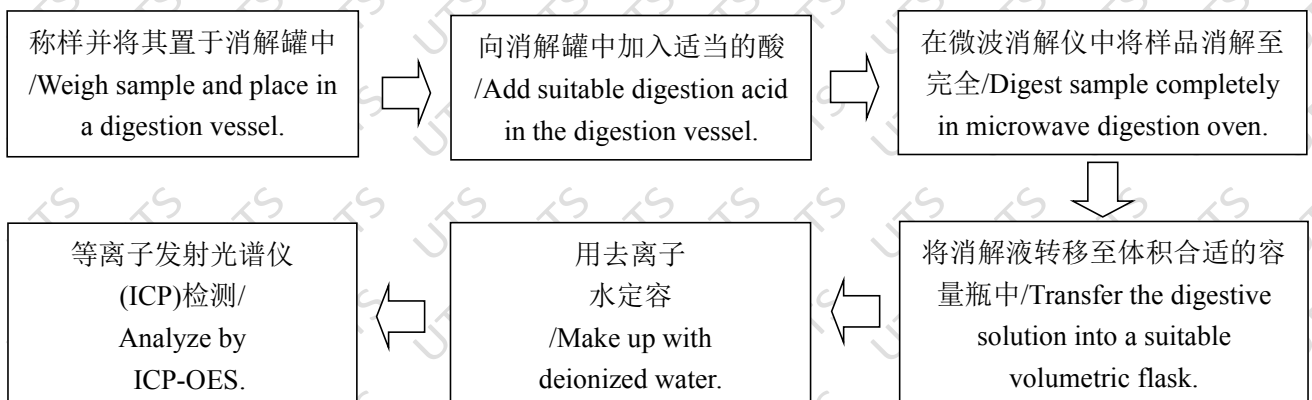
报告日期/Report Date: 2020/06/12

- 10) 本报告中的数据结果供科研、教学、企业内部质量控制、企业产品研发等目的用。/The data in this report can be used for scientific research, teaching, internal quality control and product development.

检测部位描述/TEST PART DESCRIPTION: 液体/Liquid

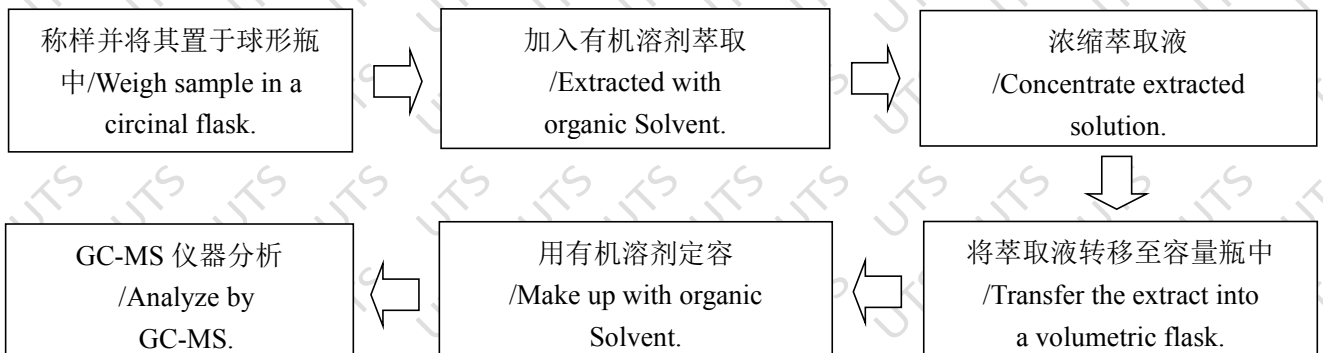
检测流程图

1. Pb、Hg、Cd 检测/Test for Pb、Hg、Cd Content



样品成分/Sample Material	消化酸/Digestion Acid
玻璃/Glass	HNO ₃ /HF
塑料/Plastic	H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCl
其它/Others	加入其它的酸消解/Any acid to total digestion.

2. 多溴联苯&多溴二苯醚和邻苯二甲酸酯检测 /Test for PBBs&PBDEs and Phthalates





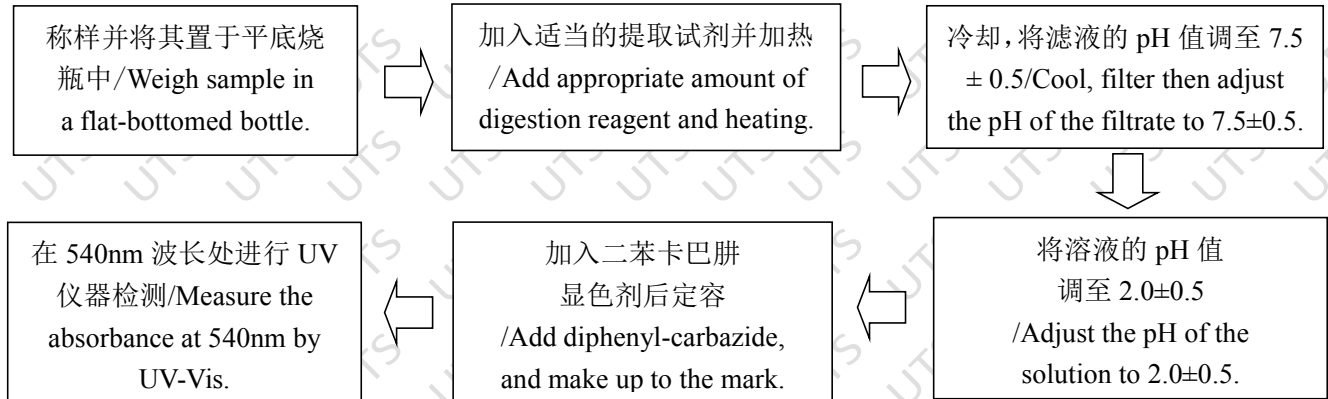
检测报告

TEST REPORT

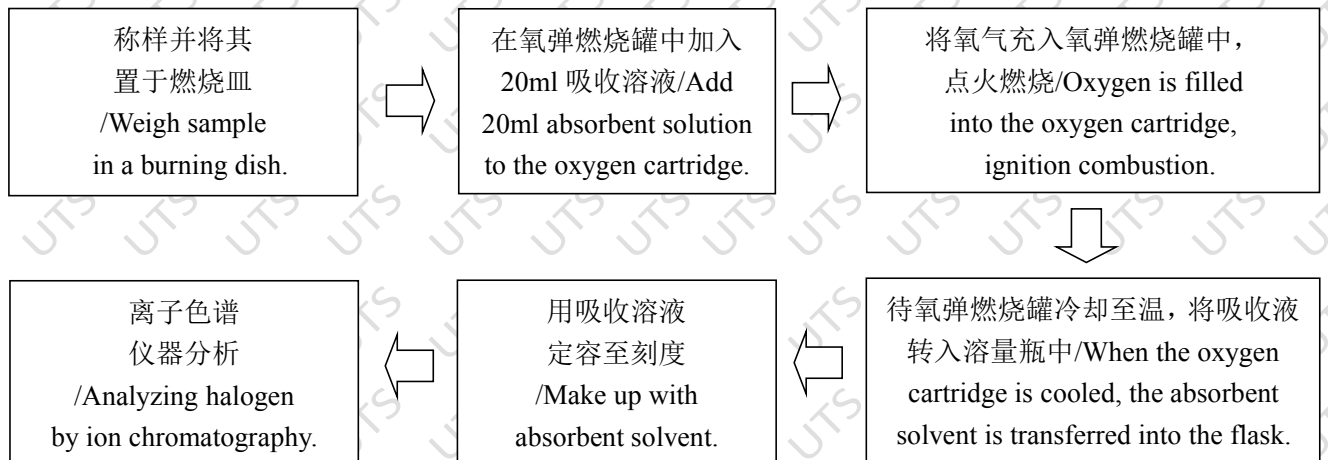
编号/No.: SH200600046C09

报告日期/Report Date: 2020/06/12

3. 六价铬 Cr(VI)检测 /Test for Chromium(VI)Content



4. 卤素测试/Test for halogen Content





检测报告 TEST REPORT

编号/No.: SH200600046C09

报告日期/Report Date: 2020/06/12

样品照片/SAMPLE PHOTO



.....报告结束/End of Report.....