

检 测 报 告
TEST REPORT

报告编号 (No.) : UTS24110014M05 报告日期 (Report Date) : 2024/11/07

委托单位/Client : 海富龙新材料有限公司
Haifulong New Material Co., Ltd.
地 址/Address : 昆山市陆家镇珠竹路 22 号
22 Zhuzhu road, Lujia town, Kunshan city

以下样品信息由申请人提供及确认:

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

样品名称/Sample Name : 阻燃 ABS 板/Flame retardant ABS board
接样日期/Receiving Date : 2024/11/01
检测项目/Test Item : RoHS 2.0
结 论/Conclusion : 申请人所提供样品的检测结果符合欧盟 RoHS 指令 2011/65/EU 附录 II 及其修订指令(EU)2015/863 的限值要求。/Based on the analysis of the submitted sample, the results meet the requirements of EU RoHS Directive 2011/65/EU Annex II and its amending Directive (EU)2015/863.



签
Approved by 樊建红
樊建红 授权签字人

核
Reviewed by 赵方方
赵方方

编 制
Prepared by 黄佳蔚
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江苏省优联检测技术有限公司

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1、测试标准/Test Standard(s)
IEC 62321

2、测试日期/Test Date(s)
2024/11/04-2024/11/06

3、测试设备/Test Equipment(s)

设备名称 Test Equipment	设备编号 Equipment Number	校准有效期 Calibration Period of Validity
等离子体发射光谱仪 ICP-OES	M-1-584	2025/12/14
紫外可见分光光度计 UV-vis	M-1-622	2024/12/14
气相色谱质谱联用仪 GC-MS	M-1-583	2025/12/14
气相色谱质谱联用仪 GC-MS	M-1-582	2025/12/14

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4、测试结果/Test Result(s)

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* Limits (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	8	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

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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* Limits (mg/kg)
邻苯二甲酸二丁酯/Dibutyl Phthalate (DBP)	M5	30	N.D.	1000
邻苯二甲酸丁基苄基酯/Benzylbutyl Phthalate (BBP)		30	N.D.	1000
邻苯二甲酸二(2-乙基己基)酯 /Di-(2-ethylhexyl)Phthalate (DEHP)		30	N.D.	1000
邻苯二甲酸二异丁酯/Diisobutyl phthalate (DIBP)		30	N.D.	1000

注意/Remark : *报告中提及的法规限值根据是欧盟 RoHS 指令 2011/65/EU 附录 II 及其修订指令 (EU)2015/863 的限值要求。/The Limits are based on the requirements of EU RoHS Directive 2011/65/EU Annex II and its amending Directive (EU)2015/863.

- 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-质谱联用仪进行测定。
With reference to IEC 62321-8: 2017, analysis was performed by GC-MS.

检测部位描述/TEST PART DESCRIPTION: 非金属/Non-metal

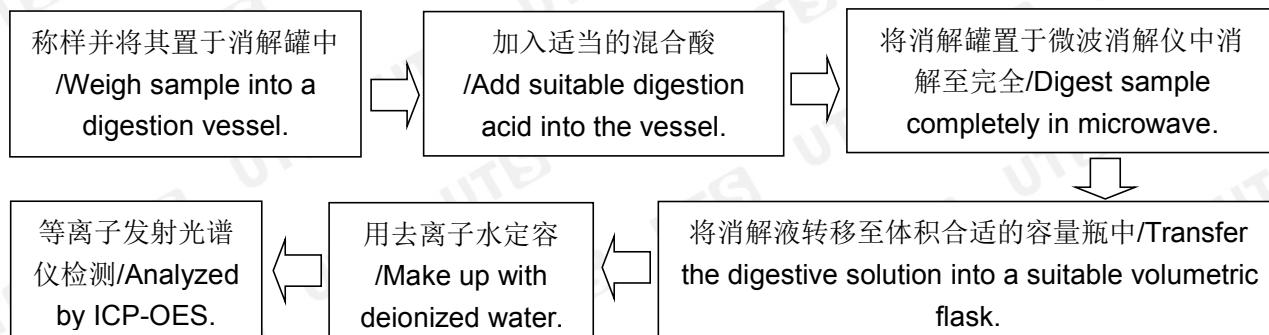
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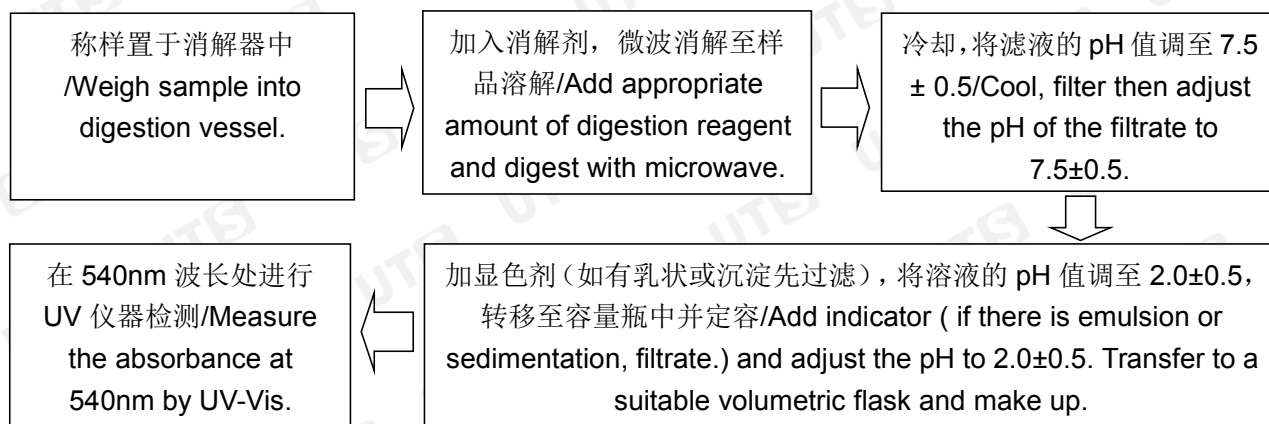
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检测流程图/FLOW CHART

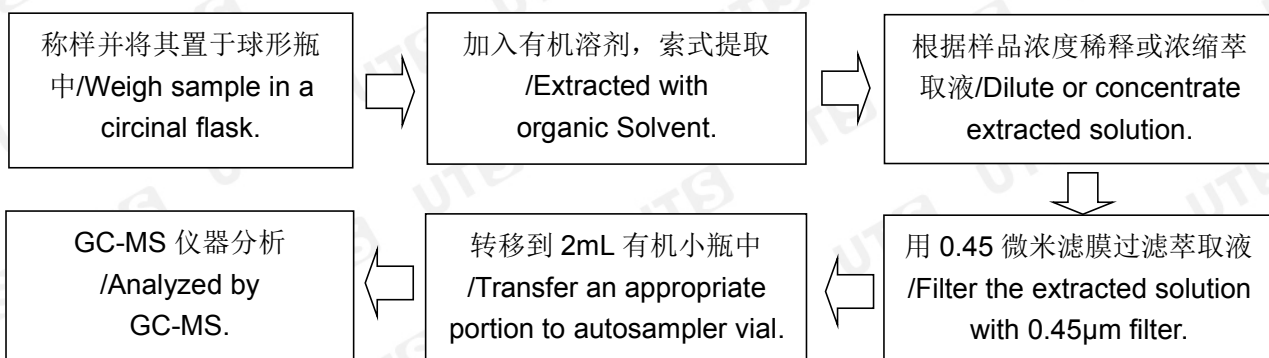
1. Pb、Cd、Hg 检测/Test for Pb, Cd, Hg Content



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



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



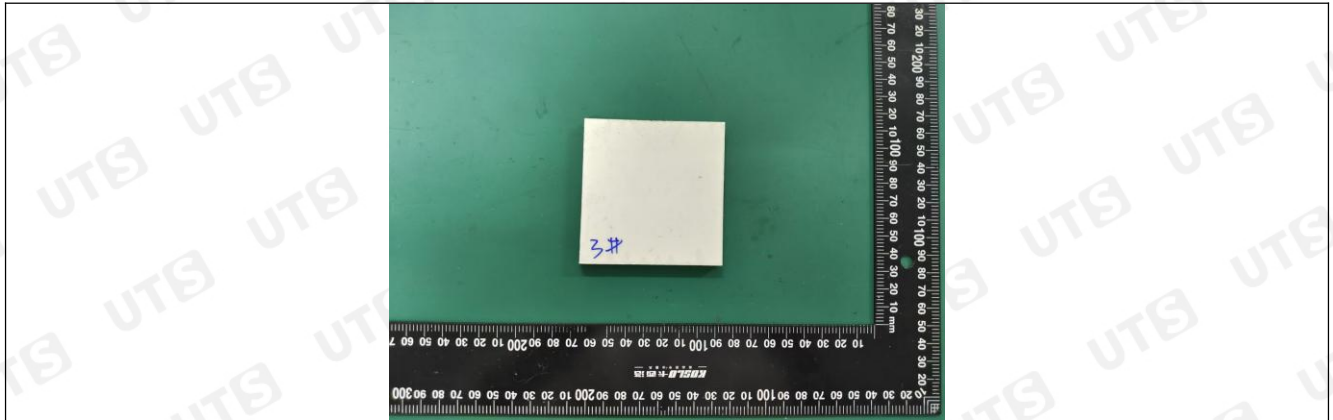
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5、样品照片/Sample photo(s)



.....报告结束/End of Report.....

本报告中结果仅作为科研、教学或内部质量控制之用。

Test results in this report are only used for scientific research, teaching and internal quality control.