

检 测 报 告

TEST REPORT

报告编号 (No.) :UTS25120107M06 报告日期 (Report Date) : 2025/12/12

委托单位/Client : 昆山安普琪工程塑料有限公司/昆山金彩达工程塑胶有限公司
KUNSHAN ANPUQI ENGINEERING PLASTICS CO.,LTD/
KUNSHAN JINCAIDA ENGINEERING PLASTICS CO., LTD
地 址/Address : 昆山市张浦镇俱进路 15 号
No.15, jujin Road,Zhangpu 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 : 塑料粒子/Plastic Pellets
材 料/Material : PC 黑色/PC black
型 号/Model : 参见下一页/Please refer to next page(s)
接样日期/Receiving Date : 2025/12/08
检测项目/Test Item : RoHS 2.0 & 卤素/Halogen
结 论/Conclusion : 1. 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.
2. 申请人所提供样品的检测结果符合 IEC 61249-2-21:2003 的要求。/Based on the analysis of the submitted sample, the results meet the requirements of IEC 61249-2-21:2003.



签 发
Approved by 樊建红 授权签字人

审 核
Reviewed by 马林

编 制
Prepared by 闵丹丹

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江苏省优联检测技术服务有限公司

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

材料/Material	型号/Model
PC 黑色/PC black	PC110(A9303-61,A9305-61,A9307-61,A9308-61,9341-61,A9342-61), PC-122(A9231-61,A9234-61,A9277-61,A9286-61),9415(A9216-61), 221R(A9248-61,A9298-61,A9326-61),L-1225Y(A9280-61),PC-11 0(A9281-61),FPR3500,MN3700,MN3600H,LN2520A,BPL1000,EXL133 0,EXL1414,L1225Y,L-1225L,L-1225Z,L1250Y,L1250Z,500R,1000R,100 3R,121,121R,141R,143R,241R,940,940A,945,945(A8114-61,A8108-6 1,A9328-61,A9331-61),945A(A9230-61,A9338-61),945U,915R,923,9 43,9330,2405,2407,2628,2665,2805,2807,2858,6555,6557,9415,FR60 05(A9300-61),9417(A2425-61),6557(A2426-61,A3063-61),6710(A93 51-61),IR1900,IR1700,IR2200,URZ2501,3015NF,EF1006F,GN1002FM, GN1008FM,SC1100R,SC1060P,SC1060U,S2000UR,S2001R,S3000UR,S 3001R,PC+10%GF,PC+20%GF,PC+30%GF. PCTG (TX1501HF-BK 黑色) FR6005(A2448-61),FR6005(A9361-61),FR6005(A2447-61)EXL1414T (2445-61)(A9365-61),143R(A1566-61),141R(A9355-61)(A2443-61), 122U(A2441-61)(A2440-61)(A6058-61),221R(A9366-61),122(A9364-61), 9330(3066-61)

1、测试标准/Test Standard(s)

IEC62321-5:2013;IEC62321-4:2013+AMD1:2017CSV;IEC62321-7-2:2017;IEC62321-6:2015;
IEC62321-8:2017; EN 14582:2016

2、测试日期/Test Date(s)

2025/12/09-2025/12/10

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	2025/12/12
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
离子色谱仪 IC	E-1-1038	2026/11/21

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4、测试结果/Test Result(s)

4.1 RoHS 2.0

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
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

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注意/Remark : *报告中述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.

4.2 卤素/Halogen

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)	限值** Limits (mg/kg)
氟/Fluorine (F)	M6	30	N.D.	---
氯/Chlorine (Cl)		30	N.D.	900
溴/Bromine (Br)		30	N.D.	900
碘/Iodine (I)		30	N.D.	---
总计/Total (Cl+Br)		---	N.D.	1500

注意/Remark : **报告中述及的限值根据是 IEC 61249-2-21:2003 的要求。/The Limits are based on the requirements of IEC 61249-2-21:2003.

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.

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.

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

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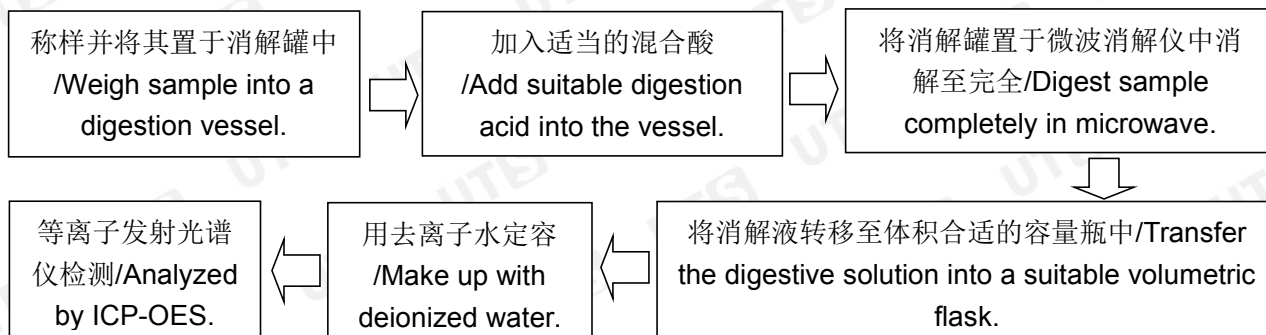
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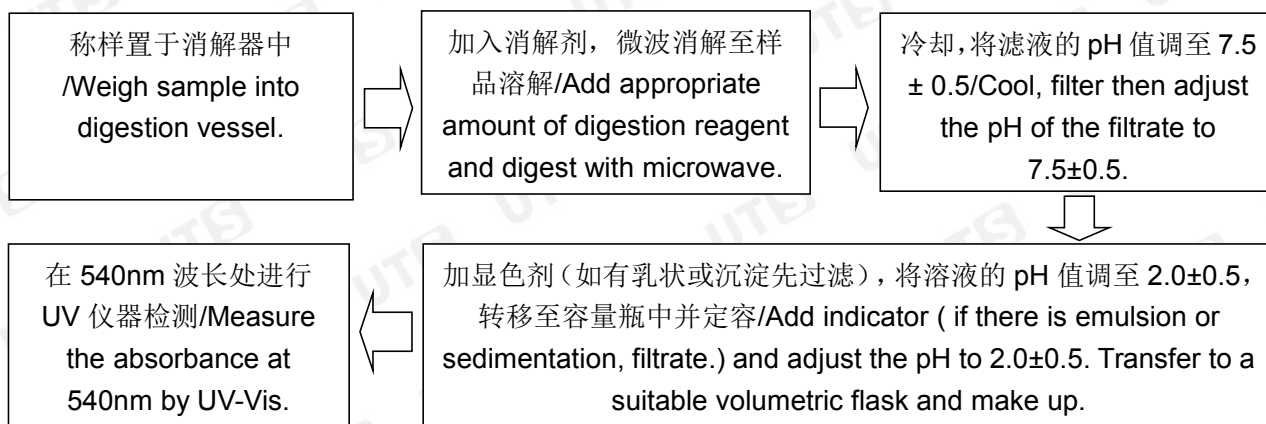
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检测流程图/FLOW CHART

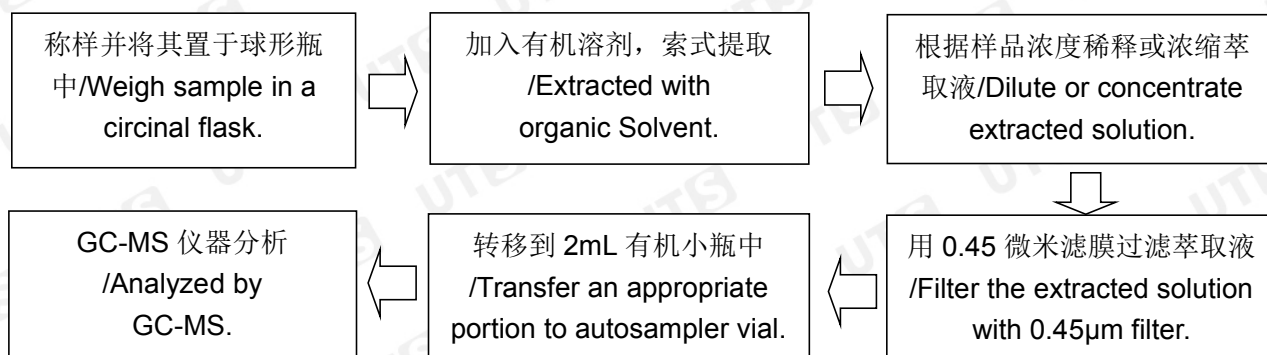
1. Pb、Cd、Hg 检测/Test for Pb, Cd, Hg Content



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



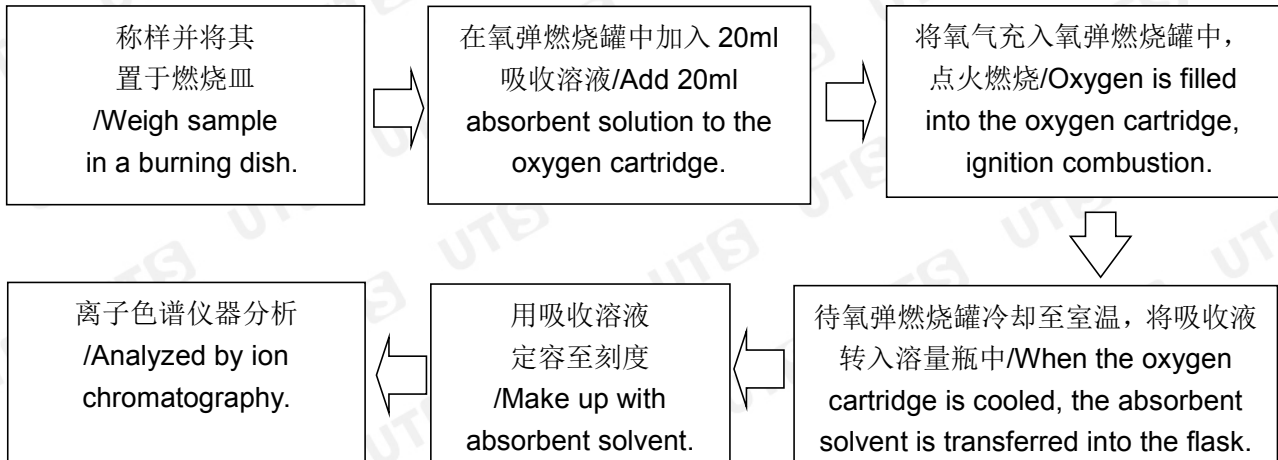
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4. 卤素检测/Test for halogen Content



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.