

# 检测报告

## TEST REPORT

报告编号 (No.) : UTS23060159M01 报告日期 (Report Date) : 2023/06/16

委托单位/Client : 无锡沃尔顶密封技术开发有限公司  
WUXI OTP SEALING TECHNOLOGY DEVELOPMENT CO., LTD.  
地址/Address : 无锡市滨湖区梁清路 555 号龙山大厦 630 室  
630, 555#liang qing road, binhu district, wuxi

以下样品信息由申请人提供及确认:

The sample(s) information below is/are provided and confirmed by client:

样品名称/Sample Name : O 型圈/O-ring  
接样日期/Receiving Date : 2023/06/12  
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 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



樊建红  
樊建红 授权签字人

审核  
Reviewed by

赵方方  
赵方方

编制  
Prepared by

黄佳蔚  
黄佳蔚

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### 1、测试标准/Test Standard

IEC 62321

### 2、测试日期/Test Date

2023/06/12-2023/06/14

### 3、测试设备/Test Equipment

设备名称 Test Equipment	设备型号 Equipment Model	校准有效期 Calibration Period of Validity
等离子体发射光谱仪 ICP-OES	720	2023/12/30
紫外可见分光光度计 UV-vis	SP756	2023/12/18
气相色谱质谱联用仪 GC-MS	7890A-5975C	2023/12/19

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### 4、测试结果/Test Result

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	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	

# 检 测 报 告

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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* Limited Value (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.

- 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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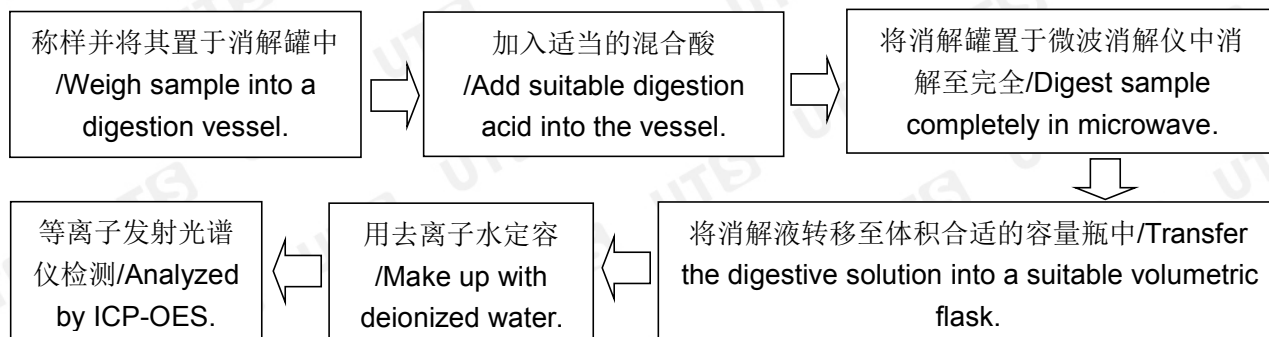
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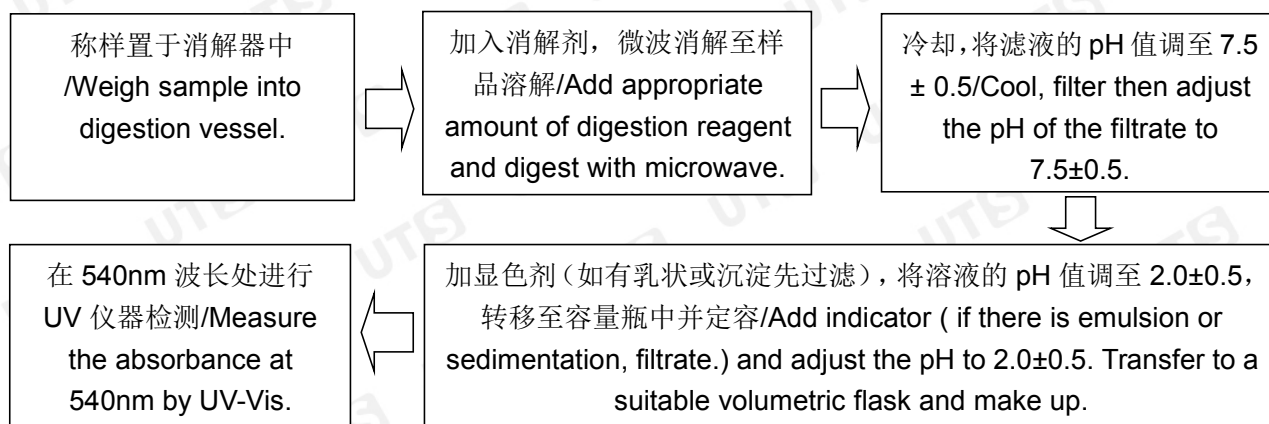
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### 检测流程图/FLOW CHART

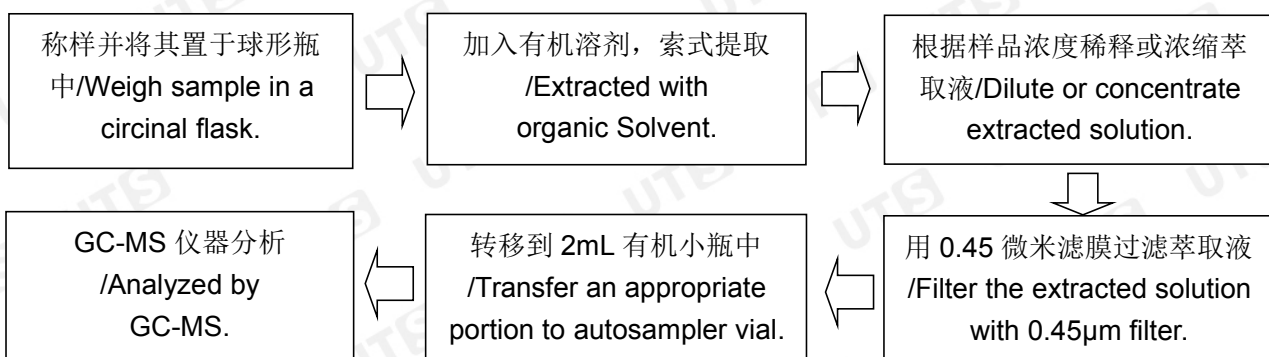
#### 1. Pb、Cd、Hg 检测/Test for Pb, Cd, Hg Content



#### 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



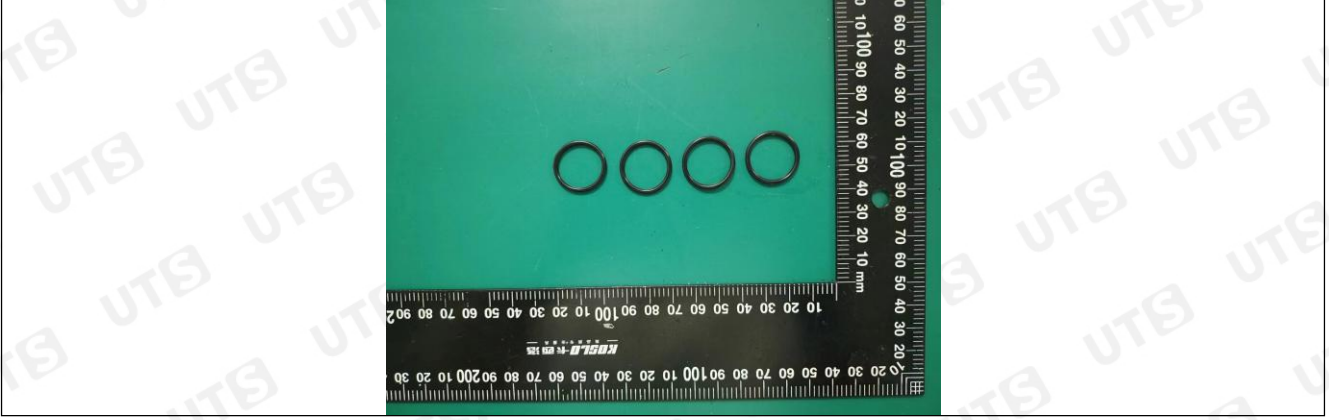
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### 5、样品照片/Sample photo(s)



.....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.