

# TEST REPORT

No.: SH171100228C01E

Report date: 2017/12/05

Applicant : Wuxi OTP seal technology development co. LTD

Address : 630, 555 liang qing road, binhu district, wuxi city, jiangsu province

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

Sample Name : O-ring

Receiving Date : Nov. 29, 2017

Testing Period : Nov. 29, 2017-Dec. 05, 2017

Test Requested : To determine the Pb, Cd, Hg, Cr(VI), PBBs & PBDEs content of the submitted sample.

Test Method : Please refer to next page(s).

Test Results : Please refer to next page(s).

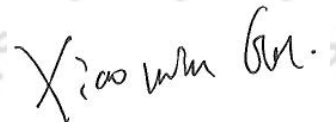
Conclusion : Based on the analysis on the submitted sample, the results **do comply with** the RoHS Directive 2011/65/EU.



Approved by Jeffery Chou



Reviewed by Salvia Hu



Redact by Xiaomin Gu

Page 1 of 5

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

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  
电话 (Tel): +86(0)21-68902737

United (Shanghai) Testing Services Co., Ltd.

3/F., Building 2, No. 76, Fute East 3 Road, Waigaoqiao Free Trade Zone, Shanghai, 200131  
(Fax): +86(0)21-68392552

[www.uts.com.cn](http://www.uts.com.cn)

# TEST REPORT

No.: SH171100228C01E

Report date: 2017/12/05

## TEST RESULTS:

Test Items	Methods	MDL (mg/kg)	Results (mg/kg)	Limited Value* (mg/kg)
Pb	M1	2	N.D.	1000
Cd		2	N.D.	100
Hg	M2	2	N.D.	1000
Cr (VI)	M3	2	N.D.	1000
Monobromobiphenyl (MonoBB)	M4	5	N.D.	---
Dibromobiphenyl (DiBB)		5	N.D.	---
Tribromobiphenyl (TriBB)		5	N.D.	---
Tetrabromobiphenyl (TetraBB)		5	N.D.	---
Pentabromobiphenyl (PentaBB)		5	N.D.	---
Hexabromobiphenyl (HexaBB)		5	N.D.	---
Heptabromobiphenyl (HeptaBB)		5	N.D.	---
Octabromobiphenyl (OctaBB)		5	N.D.	---
Nonabromobiphenyl (NonaBB)		5	N.D.	---
Decabromobiphenyl (DecaBB)		5	N.D.	---
<b>Total PBBs / sum of above</b>		---	<b>N.D.</b>	1000
Monobromodiphenyl ether (MonoBDE)		5	N.D.	---
Dibromodiphenyl ether (DiBDE)		5	N.D.	---
Tribromodiphenyl ether (TriBDE)		5	N.D.	---
Tetrabromodiphenyl ether (TetraBDE)		5	N.D.	---
Pentabromodiphenyl ether (PentaBDE)		5	N.D.	---
Hexabromodiphenyl ether (HexaBDE)		5	N.D.	---
Heptabromodiphenyl ether (HeptaBDE)		5	N.D.	---
Octabromodiphenyl ether (OctaBDE)		5	N.D.	---
Nonabromodiphenyl ether (NonaBDE)		5	N.D.	---
Decabromodiphenyl ether (DecaBDE)	5	N.D.	---	
<b>Total PBDEs / sum of above</b>	---	<b>N.D.</b>	1000	

Remark : \*The Limited value is based on the RoHS directive 2011/65/EU.

# TEST REPORT

No.: SH171100228C01E

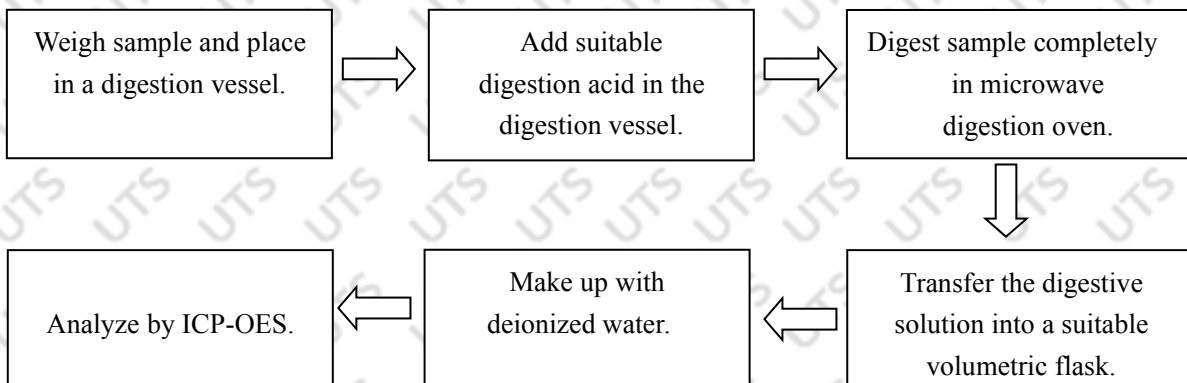
Report date: 2017/12/05

- Note :**
- 1) “---” = Not Regulated.
  - 2) MDL = Method Detection Limit.
  - 3) N.D. = Not detected, less than MDL.
  - 4) M1: With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES.
  - 5) M2: With reference to IEC 62321-4: 2013, analysis was performed by ICP-OES.
  - 6) M3: With reference to IEC 62321-7-2: 2017, analysis was performed by UV-Vis.
  - 7) M4: With reference to IEC 62321-6: 2015, analysis was performed by GC-MS.

**TEST PART DESCRIPTION:** Red silica gel

## FLOW CHART

### 1. Test for Pb, Hg, Cd Content



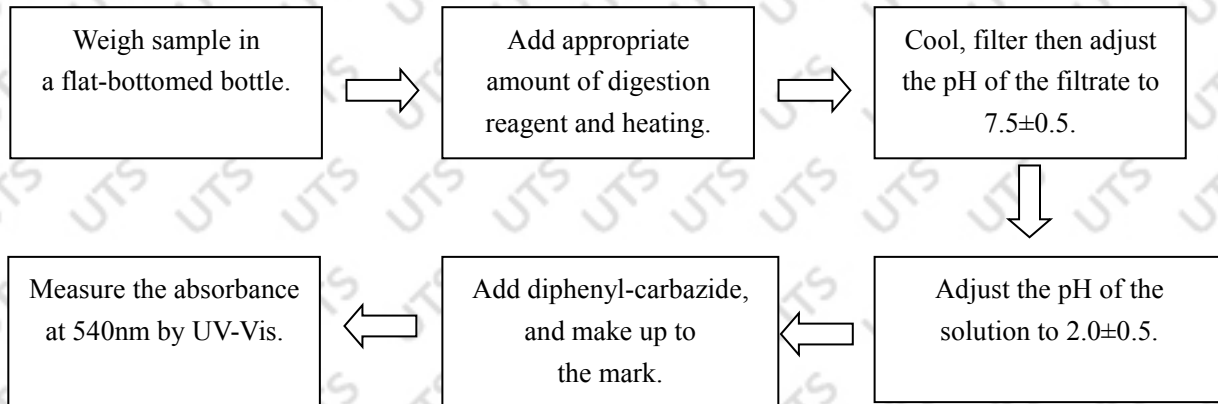
Sample Material	Digestion Acid
Glass	HNO <sub>3</sub> /HF
Plastic	H <sub>2</sub> SO <sub>4</sub> , H <sub>2</sub> O <sub>2</sub> , HNO <sub>3</sub> , HCl
Others	Any acid to total digestion.

# TEST REPORT

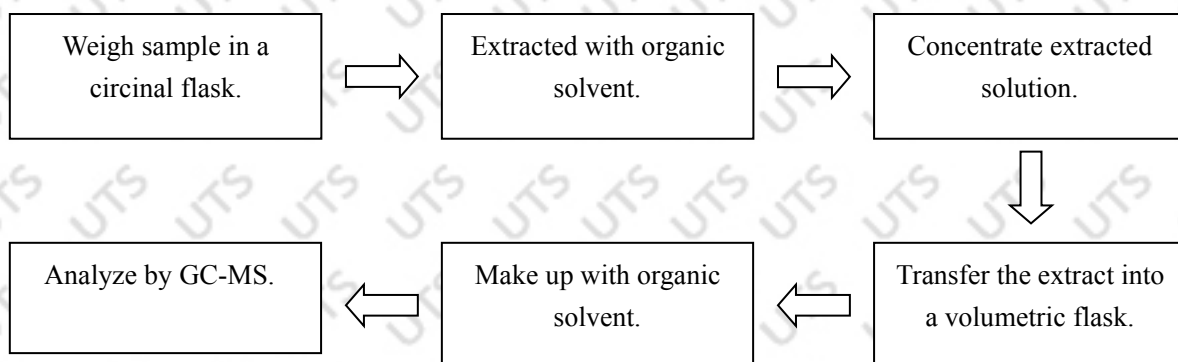
No.: SH171100228C01E

Report date: 2017/12/05

## 2. Test for Chromium (VI) Content



## 3. Test for PBBs&PBDEs Content



# TEST REPORT

No.: SH171100228C01E

Report date: 2017/12/05

## SAMPLE PHOTO



.....End of Report.....