

# TEST REPORT

Reference No. : TRHZ1402038\_R1

Date : Mar. 21, 2014

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Client : TEFLEX GASKET CO., LTD

Address : CIE INDUSTRIAL ZONE, CIXI CITY,ZHEJIANG, CHINA

The following merchandise was (were) submitted and identified by the client as:

Name of Product : EXPANDED PTFE SEALANT JOINT TAPE

Test Model : TPJ

Model May Cover : TPJ

Main Material : 100% Virgin PTFE

Sample Received : Jan. 21, 2014

Test Period : Jan. 26, 2014 - Feb. 13, 2014

Test Request : As the client required, to determine the Pb, Cd, Hg,Cr(VI), PBBs&PBDEs, DBP, BBP, DEHP and HBCDD content of the submitted sample(s).

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

Conclusion :  
1. Based on the analysis on the submitted sample, the test results (Pb, Cd, Hg, Cr<sup>6+</sup>, PBBs, PBDEs) **comply with** the requirement of RoHS Directive 2011/65/EU(RoHS 2.0).  
2. Based on the analysis on the submitted samples, the test results (DBP, BBP, DEHP,HBCDD) **comply with** the requirement of European Commission Regulation 1907/2006 (REACH).

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**THIS REPORT IS TO SUPERSEDE TEST REPORT TRHZ1402038**

Issued by:



TÜV NORD Green Product Service Centre  
Technical Manager

**TÜV NORD (Hangzhou) CO.,LTD.**

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## TEST RESULTS:

No.	Test Items	Methods	MDL (mg/kg)	Results (mg/kg)	Limited Value* (mg/kg)
1	Pb	M1	2	N.D.	1000
2	Hg	M2	2	N.D.	1000
3	Cd	M1	2	N.D.	100
4	Cr (VI)	M3	2	N.D.	1000
5	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 quoted from the RoHS directive 2011/65/EU.
  - M1: With reference to IEC62321-5:2013, Analysis was performed by ICP-OES.
  - M2: With reference to IEC62321-4:2013, Analysis was performed by ICP-OES.
  - M3: With reference to IEC62321:2008, Analysis was performed by UV-vis.
  - M4: With reference to IEC62321:2008, Analysis was performed by GC-MS.

\*\*\*\*\* To be continued \*\*\*\*\*

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## 2.RoHS Priority Considered Substances

No.	Test Items	Test Methods	MDL (mg/kg)	Results (mg/kg)	Limited Value** (mg/kg)
1	Dibutyl Phthalate(DBP)	M5	50	N.D.	1000
2	Benzylbutyl Phthalate(BBP)		50	N.D.	1000
3	Di-(2-ethylhexyl)Phthalate(DEHP)		50	N.D.	1000
4	Hexabromocyclododecane(HBCDD)		20	N.D.	1000

- Remark:**
- \*\* The limited value is referenced with European Commission Regulation 1907/2006 (REACH).
  - M5: With reference to EPA 3550C-2007& EPA8270D-2007, Analysis was performed by GC-MS.

- Note :**
- MDL = Method Detection Limit.
  - "---" = Not Regulated.
  - N.D. = Not detected, less than MDL.

**Test Part Description:** White plastic

\*\*\*\*\* To be continued \*\*\*\*\*

# TEST REPORT

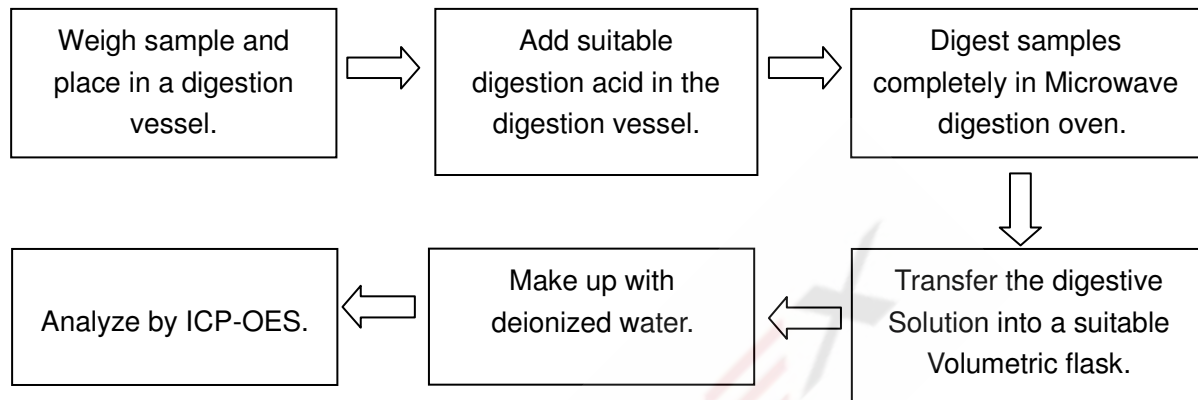
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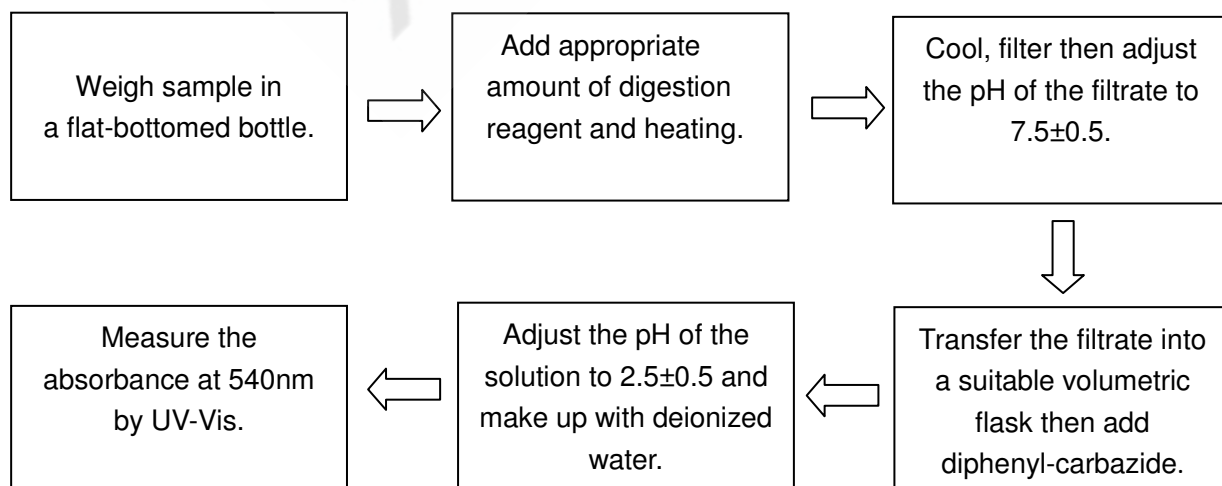
## FLOW CHART

### 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.

### 2. Test for Chromium (VI) Content



\*\*\*\*\* To be continued \*\*\*\*\*

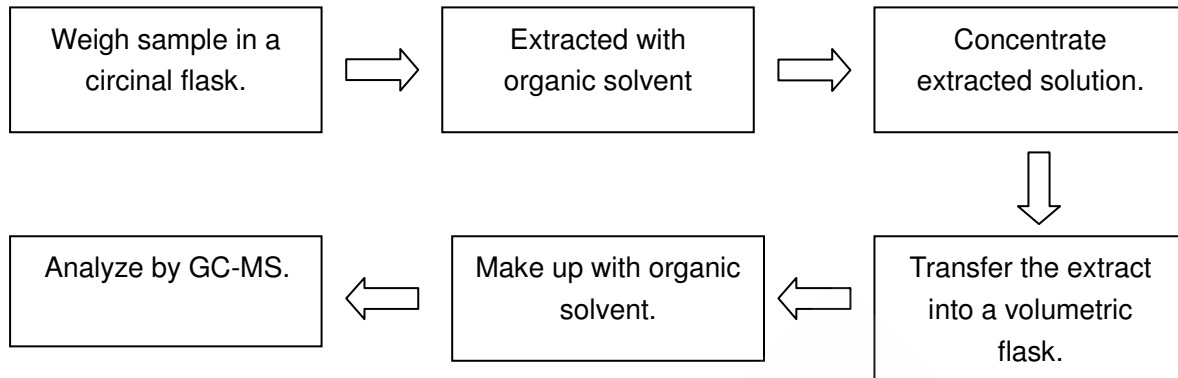
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Reference No. : TRHZ1402038\_R1

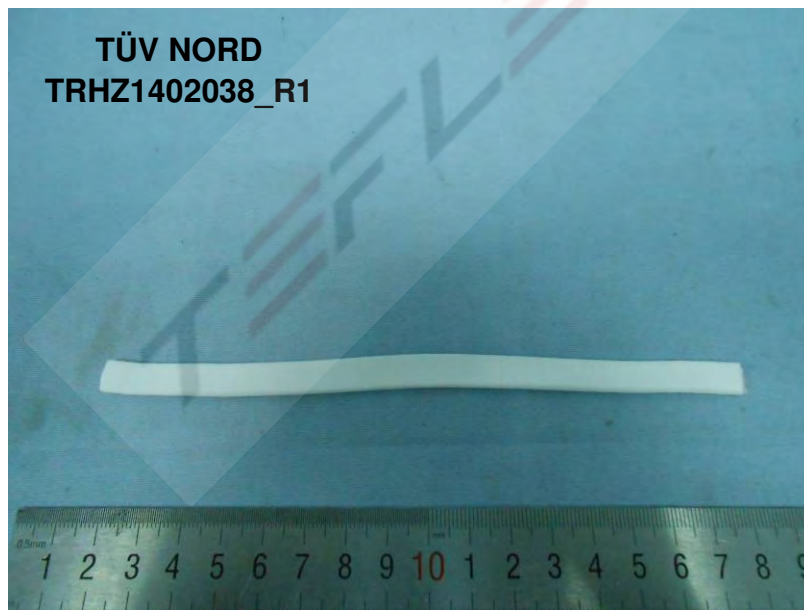
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## 3. Test for PBBs&PBDEs, Phthalates and HBCDD Content



### SAMPLE PHOTO



\*\*\*\*\* END OF REPORT \*\*\*\*\*