



## Test Report

No. TJTC 0828611/CHEM

Date: July 28, 2008

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YANTAI E.S.T SILICONE TECH CO., LTD  
89 HUANHAI-ROAD, YANTAI CITY, SHAN DONG CHINA

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

SGS Ref No. : 11167264-2  
Main Substance : VINYL-FUNCTIONAL POLYDIMETHYSILOXANE WITH CROSS LINKER  
Part No. : TSL-701

Sample Receiving Date : July 21, 2008  
Testing Period : July 21 to July 28, 2008

Test Requested : 1) To determine the Cadmium content in the submitted sample.  
2) To determine the Lead content in the submitted sample.  
3) To determine the Mercury content in the submitted sample.  
4) To determine the Hexavalent Chromium content in the submitted sample.  
5) To determine the PBBs(Polybrominated biphenyls) PBBEs(PBDEs)  
(Polybrominated biphenyl ethers) content in the submitted sample.  
6) As per client's request, to determination DBP, BBP, DEHP, DINP, DNOP and DIDP content of the submitted samples.

Test method : 1) With reference to IEC 62321/2<sup>nd</sup> CDV (111/95/CDV) for Cadmium content.  
Analysis was performed by ICP-AES.  
2) With reference to IEC 62321/2<sup>nd</sup> CDV (111/95/CDV) for Lead content.  
Analysis was performed by ICP-AES.  
3) With reference to IEC 62321/2<sup>nd</sup> CDV (111/95/CDV) for Mercury content.  
Analysis was performed by ICP-AES.  
4) With reference to US EPA Method 3060A & 7196A for Hexavalent Chromium content.  
Analysis was performed by UV-Vis Spectrometry.  
5) With reference to IEC 62321/2<sup>nd</sup> CDV (111/95/CDV) for PBBs and PBDEs content.  
Analysis was performed by GC/MS.  
6) With reference to ASTM D3421-75.  
Analysis was performed by Gas Chromatography / Mass Spectrometry.

Test Results : Please refer to next pages

Signed for and on behalf of  
SGS-CSTC Chemical Laboratory

  
Lucid Qi  
Manager

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Test results by chemical method

Cd, Pb, Hg, CrVI, PBBs & PBBEs(PBDEs) content (Unit: mg/kg)

Test Item(s):	Method (refer to)	A	MDL
Cadmium (Cd)	(1)	n.d.	2
Lead (Pb)	(2)	n.d.	2
Mercury (Hg)	(3)	n.d.	2
Hexavalent Chromium (CrVI) by alkaline extraction	(4)	n.d.	2
<b>Sum of PBBs</b>	(5)	n.d.	-
Monobromobiphenyl		n.d.	5
Dibromobiphenyl		n.d.	5
Tribromobiphenyl		n.d.	5
Tetrabromobiphenyl		n.d.	5
Pentabromobiphenyl		n.d.	5
Hexabromobiphenyl		n.d.	5
Heptabromobiphenyl		n.d.	5
Octabromobiphenyl		n.d.	5
Nonabromobiphenyl		n.d.	5
Decabromobiphenyl		n.d.	5
<b>Sum of PBDEs</b>		n.d.	-
Monobromodiphenyl ether		n.d.	5
Dibromodiphenyl ether		n.d.	5
Tribromodiphenyl ether		n.d.	5
Tetrabromodiphenyl ether		n.d.	5
Pentabromodiphenyl ether		n.d.	5
Hexabromodiphenyl ether		n.d.	5
Heptabromodiphenyl ether		n.d.	5
Octabromodiphenyl ether		n.d.	5
Nonabromodiphenyl ether		n.d.	5
Decabromodiphenyl ether ##		n.d.	5

Phthalates content (Unit: %)

Item	Method (refer to)	A	MDL
Dibutyl Phthalate (DBP) Content	(6)	n.d.	0.003
Benzylbutyl Phthalate (BBP) Content		n.d.	0.003
Bis-(2-ethylhexyl) Phthalate (DEHP) Content		n.d.	0.003
Diisononyl Phthalate (DINP) Content		n.d.	0.01
Di-n-octyl Phthalate (DNOP) Content		n.d.	0.003
Diisodecyl Phthalate (DIDP) Content		n.d.	0.01

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Test Part Description:

A. transparent paste

Note : (1) mg/kg = ppm

(2) n.d. = Not Detected

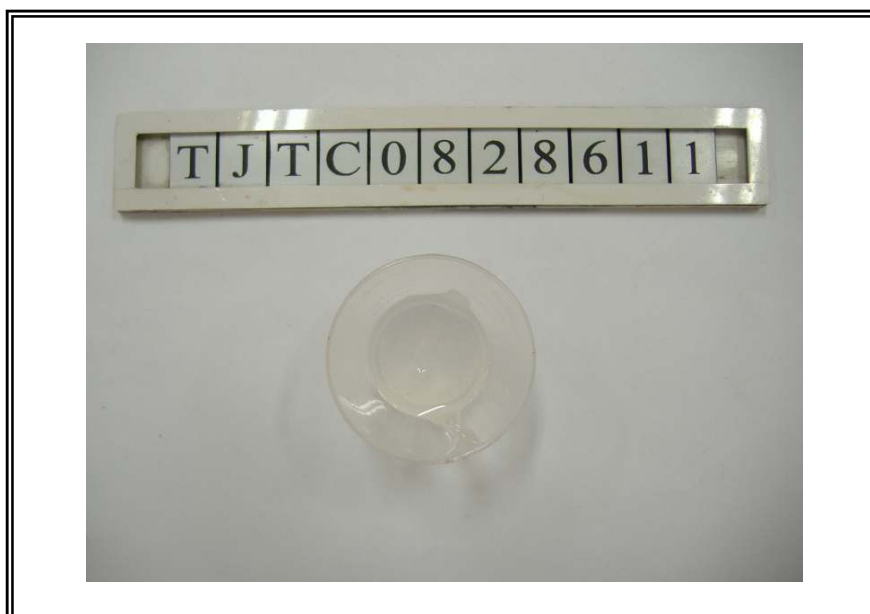
(3) MDL = Method Detection Limit

(4) ## = The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008

(5) “-”= Not Regulated

(6) % = percentage by weight

Sample photo:



SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*

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