

## Test Report

No. TJTC 0829721/CHEM

Date: August 20, 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. : 11223774-1  
Main substance : SILANOL-TERMINATED POLYDIMETHYL SILOXANE  
Part No. : TE233(PartA)

Sample Receiving Date : August 15, 2008  
Testing Period : August 15 to August 20, 2008

Test Requested : In accordance with the RoHS Directive 2002/95/EC, and its amendment directives

Test method : With reference to IEC 62321/2<sup>nd</sup> CDV (111/95/CDV)  
Procedures for the Determination of Levels of Regulated Substances in  
Electrotechnical Products  
1) Determination of Cadmium by ICP-AES  
2) Determination of Lead by ICP-AES  
3) Determination of Mercury by ICP-AES  
4) Determination of Hexavalent Chromium by Colorimetric Method  
5) Determination of PBBs and PBDEs by GC/MS

Test Results : Please refer to next pages

Conclusion : Based on the performed tests on submitted samples, the results comply with the  
RoHS Directive 2002/95/EC and its subsequent amendments.

Signed for and on behalf of  
SGS-CSTC Chemical Laboratory



Lucid Qi  
Manager

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Test results by chemical method (Unit: mg/kg)

Test Item(s):	Method (refer to)	A	MDL	RoHS Limit
Cadmium (Cd)	(1)	n.d.	2	100
Lead (Pb)	(2)	n.d.	2	1000
Mercury (Hg)	(3)	n.d.	2	1000
Hexavalent Chromium (CrVI) by alkaline extraction	(4)	n.d.	2	1000
<b>Sum of PBBs</b>	(5)	n.d.	-	1000
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.	-	1000
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	-	

(Result shown is of the total weight of sample)

**Test Part Description:**

A. black liquid

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) The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2002/95/EC

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Sample photo:



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

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