

## Test Report

No. TSNEC1500603801

Date: 20 May 2015

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ZHENGZHOU ZHONGYUAN APPLIED TECHNOLOGY RESEARCH AND DEVELOPMENT CO.,LTD.  
 NO.100,DONGQING WEST ROAD,ZHENGZHOU HI-TECH INDUSTRIAL DEVELOPMENT  
 ZONE.CHINA.450001

The following sample(s) was/were submitted and identified on behalf of the clients as : MF882 SILICONE  
 SEALANT FOR INSULATING GLASS

SGS Job No. : TP15-002736 - TJ  
 Date of Sample Received : 12 May 2015  
 Testing Period : 12 May 2015 - 20 May 2015  
 Test Requested : Selected test(s) as requested by client.  
 Test Method : Please refer to next page(s).  
 Test Results : Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
GB 18583-2008- VOC	PASS

Signed for and on behalf of  
 SGS-CSTC Standards Technical Services (Tianjin) Co., Ltd.



Reabeca Zhou  
 Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	TSN15-006038.001	black paste

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

**GB 18583-2008- VOC**

Test Method : With reference to GB18583-2008(Indoor decorating and refurbishing materials-Limit of harmful substances of adhesive) Annex F.  
 With reference GB18583-2008 Annex F5.2.2 and GB18582-2008 Annex B.1 to determine moisture content.  
 With reference GB/T 13354-1992, to determine density.  
 With reference GB/T 2793-1995, to determine total nonvolatile content.

Test Item(s)	Limit	Unit	MDL	001
Total Volatile Organic Compounds (TVOC) Content	★	g/L	50	ND
<b>Conclusion</b>				<b>PASS</b>

Notes :

- (1) ★=See attached Table 1
- (2) Result shown is of the total weight of wet sample.
- (3) This test was subcontracted to SGS Shanghai chemical lab.



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Table 1 Limit of harmful substances of adhesive

Category		Limit (g/L)
Solvent-based adhesive	Chloroprene rubber type adhesive	≤700
	SBS type adhesive	≤650
	Polyurethane type adhesive	≤700
	Others	≤700
Water-based adhesive	Methylal resin type adhesive	≤350
	Poly(vinyl acetate)adhesive	≤110
	Rubber type adhesive	≤250
	Polyurethane type adhesive	≤100
	others	≤350
Body-based adhesive		≤100

Sample photo:



SGS authenticate the photo on original report only

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



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