

## TEST REPORT: 7191098096-CHM14-01-LYP

Date: 01 OCT 2014

Tel: +65 68851346 Fax: +65 67732912

Client's Ref:

Email: Yin-Pheng.LEONG@tuv-sud-psb.sg

**Note:** This report is issued subject to the Testing and Certification Regulations of the TÜV SÜD Group and the General Terms and Conditions of Business of TÜV SÜD PSB Pte Ltd. In addition, this report is governed by the terms set out within this report.



PSB Singapore

Choose certainty.  
Add value.

### SUBJECT

Fungus Test

### CLIENT

Eastern Win Metals & Machinery Pte Ltd  
116 Neythal Road  
Singapore 628603

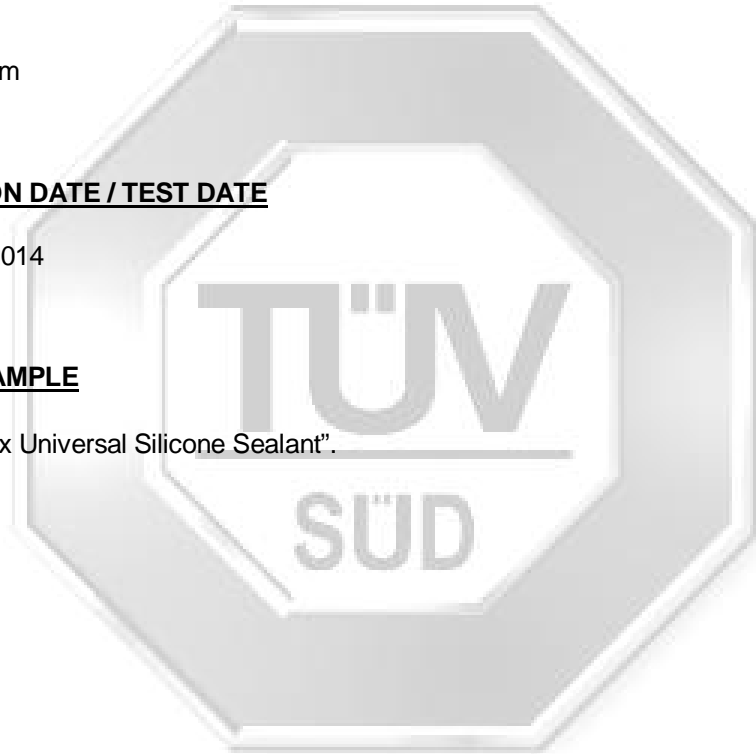
Attn : Ms. Sylvester Lim

### SAMPLE SUBMISSION DATE / TEST DATE

31 Jul 2014 / 22 Aug 2014

### DESCRIPTION OF SAMPLE

One sample of "Siroflex Universal Silicone Sealant".



Laboratory:  
TÜV SÜD PSB Pte. Ltd.  
No.1 Science Park Drive  
Singapore 118221

Phone : +65-6885 1333  
Fax : +65-6776 8670  
E-mail: testing@tuv-sud-psb.sg  
www.tuv-sud-psb.sg  
Co. Reg : 199002667R

Regional Head Office:  
TÜV SÜD Asia Pacific Pte. Ltd.  
3 Science Park Drive, #04-01/05  
The Franklin, Singapore 118223  
**TÜV**<sup>®</sup>



**METHOD OF TEST**

ISO 846:1997 – “Plastics - Evaluation of the action of microorganisms”  
Method B: Determination of fungistatic effects

The test fungi used were :

- Aspergillus niger* (ATCC 6275)
- Penicillium funiculosum* (ATCC 36839)
- Chaetomium globosum* (ATCC 6205)
- Gliocladium virens* (ATCC 9645)
- Paecilomyces variotii* (ATCC 18502)

Incubation condition : 30°C for 28 days at 95% relative humidity.

Intensity of growth	Evaluation
0	No growth apparent under the microscope.
1	No growth visible to the naked eye, but clearly visible under the microscope.
2	Growth visible to the naked eye, covering up to 25 % of the test surface.
3	Growth visible to the naked eye, covering up to 50 % of the test surface.
4	Considerable growth, covering more than 50 % of the test surface.
5	Heavy growth, covering the entire test surface.

**TEST REPORT: 7191098096-CHM14-01-LYP**  
01 OCT 2014



PSB Singapore

**RESULTS**

Siroflex Universal Silicone Sealant	Rating of fungal growth on test-specimens at the end of incubation period
<b>Batch 0</b>	
# 1	0 (None)
# 2	0 (None)
# 3	0 (None)
# 4	0 (None)
# 5	0 (None)
<b>Batch I</b>	
# 1	0 (None)
# 2	0 (None)
# 3	0 (None)
# 4	0 (None)
# 5	0 (None)
<b>Batch S</b>	
# 1	0 (None)
# 2	0 (None)
# 3	0 (None)
# 4	0 (None)
# 5	0 (None)
<b>Spore Viability Check</b>	
# 1	Growth
# 2	Growth

Note:

Batch 0 : Control Sample, stored under standard temperature and moisture conditions without inoculation;  
 Batch I : Samples inoculated with microorganisms and incubated;  
 Batch S: Sterile Samples, stored under the same conditions as batch I without inoculation



Remarks:

The results showed that the sample tested "Siroflex Universal Silicone Sealant" had strong fungistatic effect on the test fungi used.

The above test results related to the samples as received.

Handwritten signature of MS AW HWEE YING in black ink.

---

**MS AW HWEE YING**  
TECHNICAL EXECUTIVE

Handwritten signature of MRS KAM-LEONG YIN PHENG in black ink.

---

**MRS KAM-LEONG YIN PHENG**  
PRODUCT MANAGER  
MICROBIOLOGY  
CHEMICAL & MATERIALS



# TEST REPORT: 7191098096-CHM14-01-LYP

01 OCT 2014



PSB Singapore

Please note that this Report is issued under the following terms :

1. This report applies to the sample of the specific product/equipment given at the time of its testing/calibration. The results are not used to indicate or imply that they are applicable to other similar items. In addition, such results must not be used to indicate or imply that TÜV SÜD PSB approves, recommends or endorses the manufacturer, supplier or user of such product/equipment, or that TÜV SÜD PSB in any way "guarantees" the later performance of the product/equipment. Unless otherwise stated in this report, no tests were conducted to determine long term effects of using the specific product/equipment.
2. The sample/s mentioned in this report is/are submitted/supplied/manufactured by the Client. TÜV SÜD PSB therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture, consignment or any information supplied.
3. Nothing in this report shall be interpreted to mean that TÜV SÜD PSB has verified or ascertained any endorsement or marks from any other testing authority or bodies that may be found on that sample.
4. This report shall not be reproduced wholly or in parts and no reference shall be made by the Client to TÜV SÜD PSB or to the report or results furnished by TÜV SÜD PSB in any advertisements or sales promotion.
5. Unless otherwise stated, the tests were carried out in TÜV SÜD PSB Pte Ltd, No.1 Science Park Drive Singapore 118221.

July 2011

