

# TEST REPORT: 7191239555-CHM20-02-MA

Date: 21 JUL 2020

Tel: +65 68851312 Fax: +65 67784301

Client's Ref:

Email: zhou.xiao@tuv-sud-psb.sg

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## SUBJECT

Evaluation of "MICALITE DECORATIVE LAMINATE PANEL" Sample

## CLIENT

Micalite Pte Ltd  
67 Tampines Industrial Ave 5  
T5 @ Tampines  
528643  
Singapore

Attn: Mr. Dave Chew

## DESCRIPTION OF SAMPLE

Two pieces of board labelled as follow were received on 18 Jun 2020:

Sample Description	MICALITE DECORATIVE LAMINATE PANEL
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## DATE OF ANALYSIS

29 Jun 2020 – 14 Jul 2020



TÜV SÜD PSB

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

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

Regional Head Office:  
TÜV SÜD Asia Pacific Pte. Ltd.  
1 Science Park Drive, #02-01  
Singapore 118221  
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**METHOD OF TEST**

**1. Emission Test**

The following emission tests were conducted according to ASTM D5116-17 – *Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions From Indoor Materials / Products*, as reference.

1) Formaldehyde Emission Rate

**Emission Test Condition**

- 1) Chamber Volume: about 1m<sup>3</sup>
- 2) Temperature: 23°C
- 3) Relative Humidity: 50%
- 4) Air Exchange Rate: n=1 (air change rate per hour in the chamber)
- 5) Chamber Loading Ratio: 0.4-1.0 m<sup>2</sup>/m<sup>3</sup> (total exposed surface area of the test specimen divided by the net air volume of the emission test chamber)
- 6) Air Velocity: 0.1 m/s to 0.3 m/s (over the surface of the test specimen)

**REMARKS**

Product Loading Ratio for the “MICALITE DECORATIVE LAMINATE PANEL” sample was 0.4.

**RESULTS**

**Table 1. Formaldehyde Emission Rate Test Result**

Sample	Test Result (After 192 hours)
MICALITE DECORATIVE LAMINATE PANEL	0.05 mg per m <sup>2</sup> per hour

**MS MARIANA AHMAD**  
CHEMIST

**DR XIAO ZHOU**  
PRODUCT MANAGER  
MICROCONTAMINATION DIAGNOSIS  
CHEMICAL & MATERIALS

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July 2011

