

## TEST REPORT: 719189080-CHM10/02-JS

Date: 14 DEC 2010

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### SUBJECT

Evaluation of "High Pressure Decorative Laminates" - Product made From Recycle/Renewable Fibres  
Sample as GLS 035

### CLIENT

Polytec Laminates Sdn Bhd  
No.1, Jalan Teknologi Utama,  
Kawasan Perindustrian Mengkibol,  
86000 Kluang, Johor, Malaysia

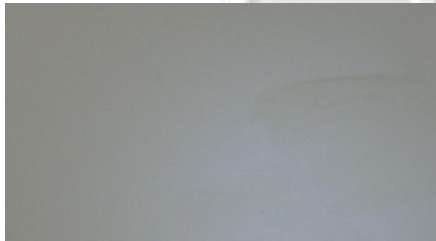
Attention: Mr Najib Abdullah

### SAMPLE SUBMISSION DATE

10 Dec 2010 - 14 Dec 2010

### DESCRIPTION OF SAMPLE

Four pieces of about 50cm x 50cm x 10mm of samples labelled as "High Pressure Decorative Laminates" was received.



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**METHOD OF TEST**

The samples was tested according to ENV 717-1:2004 – *Wood-based panels - Determination of formaldehyde release – Part 1: Formaldehyde emission by the chamber method*

Emission Test Condition

1. Chamber Volume : about 1 m<sup>3</sup>
2. Temperature : 23±0.5°C
3. Relative Humidity : 45± 3% RH
4. Air Exchange Rate : n=1 (air exchange rate per hour in the chamber)
5. Chamber Loading Ratio : 1.0±0.02 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)

**RESULTS**

Table 1. Analytical Result for “High Pressure Decorative Laminates” Sample

Test Item	Test Result	BS EN 13986 Wood-based panels for use in construction - Characteristics, evaluation of conformity and marking. Tabel B.1 – Formaldehyde class E1 requirement	Inferred Result
Formaldehyde Release	<0.1 mg/m <sup>3</sup> or < 0.1 ppm	Release <0.124 mg/m <sup>3</sup> air	Pass

Note: The method detection limit was 0.1 ppm



MS JULINE SIM  
TECHNICAL EXECUTIVE



DR ZHANG YI  
CHEMIST  
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CHEMICAL & MATERIALS



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March 2010