



ALSEAL MARKETING SDN. BHD. (625140-D)

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GST No.: 001625505792

Our reference: 19/L18/LTR/Y337

19th December 2018

Dear Valued Customer / Business Partners,

RE: "ALSEAL" AS-8033 Low VOC Contact Adhesive - Low-VOC Compliant

This is to confirm that the volatile organic compound (VOC) content for "**ALSEAL" AS-8033 Low VOC Contact Adhesive** has been tested by an independent third party testing lab. The VOC content determination was conducted as per the requirement of South Coast Air Quality Management District (SCAQMD) rule 1168.

SCAQMD rule 1168 states that USEPA Method 24 (Determination of Volatile Matter Content, Water Content, Density Volume Solids, and Weight Solids of Surface Coating) shall be used to determine the VOC content of adhesives and sealants. SCAQMD Method 303 (Determination of Exempt Compounds) is used determine the content of exempted compounds. This reference method is **widely accepted worldwide** for the determination of VOC content.

VOC Determination Method	Maximum limit	Results	Report no.
USEPA Method 24 SCAQMD Method 303	80 g/L (Contact adhesive)	24.28 g/L	CCN18110197H02-0

Conclusion

Based on the results shown above, AS-8033 is able to meet the **low-VOC contact adhesive** requirement.

With the low VOC feature, the use of AS-8033 could contribute to **Leadership in Energy and Environmental Design (LEED)** credits under the **IEQc4.1: Low-Emitting Materials - Adhesives and Sealants** credit category. For Malaysian market, AS-8033 could contribute to the **Green Building Index (GBI)** credits.

Should you require further information concerning the above product, please do not hesitate to contact us.

Thank you.

Yours sincerely,
For Alseal Marketing Sdn. Bhd.

Prepared by: Yap Wai Hoong
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(Technical Manager)