

ACCREDITATION SCHEME FOR
LABORATORIES



Number : **LA-2016-0610-G**
Date of Issue : **01 March 2024**
Date of Expiry : **29 February 2028**

Certificate of Accreditation

This certifies that

OTM SOLUTIONS PTE. LTD.
21 Woodlands Close
#07-05 Primz Bizhub
Singapore 737854

is accredited by the Singapore Accreditation Council to

ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories

within the field/programme of

Mechanical Testing

for the specific scope as detailed in the attached schedule.

On behalf of the Singapore Accreditation Council
Tan Kai Hoe
Chairman

This Certificate is awarded subject to the organisation's compliance with the stated criteria and terms and conditions laid down by the Singapore Accreditation Council.

This Certificate may not be reproduced except with the written permission of the Chairman.

This is an electronically generated certificate, hence does not require a signature.

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SINGAPORE LABORATORY ACCREDITATION SCHEME



Schedule

OTM Solutions Pte Ltd
21 Woodlands Close
#07-05 Primz Bizhub
Singapore 737854

Certificate No. : LA-2016-0610-G
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FIELD OF TESTING : Mechanical Testing

MATERIALS/ PRODUCTS TESTED	TESTS/PROPERTIES	STANDARD METHODS / TECHNIQUES/EQUIPMENT
A. Façade & Roof Materials	Daylight reflectance testing: i. Total daylight reflectance ii. Diffuse daylight reflectance iii. Specular daylight reflectance	ASTM E903-20 ASTM E971-11 CIE 130-1998
B. Glazing Systems	Solar / luminous / thermal property testing: i. Solar energy transmittance ii. Solar energy reflectance (front and back) iii. Visible light transmittance iv. Visible light reflectance (front and back) v. Solar heat gain coefficient (SHGC) vi. Shading coefficient (SC) vii. Summer condition U-value viii. Winter condition U-value	ANSI/NFRC 100-2023 ANSI/NFRC 200-2023 NFRC 300-2023 NFRC 301-2023 (Not including diffuse samples)

Schedule



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MATERIALS/ PRODUCTS TESTED	TESTS/PROPERTIES	STANDARD METHODS / TECHNIQUES/EQUIPMENT
C. Roof Materials	Solar reflectance index (SRI) testing: i. Solar reflectance ii. Solar absorptance iii. Emittance iv. Solar reflectance index (SRI)	ASTM E903--20 ASTM C1371-15 & TN 11-2 ASTM E1980-11
D. Insulation materials	Steady-state thermal transmission property testing i. Thermal conductivity	ASTM C518-21

Approved Signatory

Dr Chen Fangzhi

Note :

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. A laboratory's fulfilment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and **management system requirements** that are necessary for it to consistently deliver technically valid calibrations. The **management system requirements** in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001.