



MS ISO/IEC 17025

Certificate of Accreditation

No: SAMM 533

Valid until: 17 October 2017

This is to certify that

SIRIM STANDARDS TECHNOLOGY SDN. BHD.
KUCHING, SARAWAK
MALAYSIA
(FIELDS OF CALIBRATION: DIMENSIONAL, PRESSURE &
TEMPERATURE)

has been granted accreditation in respect of the scope of accreditation described in the SCHEDULE attached, subject to the terms and conditions governing the *Skim Akreditasi Makmal Malaysia* (SAMM), the Laboratory Accreditation Scheme of Malaysia.

"This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communiqué dated January 2009)".

Issuance of this certificate is governed by Section 16 Subsection (2) and (3) of Standards of Malaysia Act 1996, (Act 549).



(DATUK FADILAH BAHARIN)
Director General
Department of Standards Malaysia

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LABORATORY LOCATION:
(PERMANENT LABORATORY)**SIRIM STANDARDS TECHNOLOGY SDN BHD
BANGUNAN SIRIM BERHAD
LOT 802, JALAN DEMAK LAUT 2
JALAN PERINDUSTRIAN DEMAK LAUT
93756 KUCHING, SARAWAK
MALAYSIA**

This laboratory accredited under *Skim Akreditasi Makmal Malaysia* (SAMM) meets the requirements of MS ISO/IEC 17025:2005 'General requirements for competence of testing and calibration laboratories'. This Malaysian Standards is identical with ISO/IEC 17025:2005 published by the International Organization for Standardization (ISO).

* The expanded uncertainties are based on an estimated confidence probability of approximately 95% and have a coverage factor of $k=2$ unless stated otherwise.

FIELD OF CALIBRATION: **DIMENSIONAL****SCOPE OF ACCREDITATION:**

Instrument Calibrated/ Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty(\pm)*	Remarks
Caliper	0.01 mm to 300 mm	10 μ m	Caliper Checker
	0.01 mm to 600 mm	10 μ m	
Micrometer	0.001 mm to 25 mm	1 μ m	Gauge Block

Signatory:

1. Mohd Najib bin Mohammad



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FIELD OF CALIBRATION: PRESSURE

SCOPE OF ACCREDITATION:

Instrument Calibrated / Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty(\pm)*	Remarks
Pressure Measuring Device (oil medium)	0 psi to 100 psi	0.4 psi	Reference Standard:
	101 psi to 500 psi	1.6 psi	BS EN 837-1
	501 psi to 1000 psi	4.5 psi	
	1001 psi to 5000 psi	17 psi	
	5001 psi to 10 000 psi	38 psi	
	10 001 psi to 16 000 psi	57 psi	

Signatory:

1. Mohd Najib bin Mohammad



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FIELD OF CALIBRATION: TEMPERATURE

SCOPE OF ACCREDITATION:

Instrument Calibrated / Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty(\pm)*	Remarks
Liquid-in-glass Thermometer (Total Immersion)	-5 °C to 0 °C	0.2 °C	Comparison method using Pt 100 Reference Standard in temperature bath
	0 °C to 80 °C	0.2 °C	
	80 °C to 250 °C	0.6 °C	
Temperature Sensor with Digital Indicator	-10 °C to 0 °C	0.1 °C	Comparison method using Pt 100 Reference Standard in temperature bath
	0 °C to 80 °C	0.1 °C	
	80 °C to 250 °C	0.1 °C	
Mechanical Thermometer	0 °C to 80 °C	0.6 °C	Comparison with PT100 reference in water/oil bath
	80 °C to 250 °C	1.2 °C	

Signatory:

1. Mohd Najib bin Mohammad

FIELD OF CALIBRATION: TEMPERATURE

SITE CALIBRATION: CATEGORY 1

SCOPE OF ACCREDITATION:

Instrument Calibrated / Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty(\pm)*	Remarks
Temperature Controlled Enclosure	0 °C to 300 °C	1.1 °C	Temperature recorder and TC wire based on AS 2853:1986

Signatory:

1. Mohd Najib bin Mohammad

