

Schedule

Issue date: 3 January 2017
Valid until: 23 November 2017



NO: SAMM 082

(Issue 3, 3 January 2017 replacement of SAMM 082 dated 12 January 2016)

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LABORATORY LOCATION:
(PERMANENT LABORATORY)

**SENDI MAHIR SDN. BHD.
NO. 6, 8 & 10, JALAN KAPAR 27/89
MEGAH INDUSTRIAL PARK
40400 SHAH ALAM, SELANGOR
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: FORCE

SCOPE OF ACCREDITATION:

The valid scope of accreditation is in www.ism.gov.my/cab-directories.

Instrument Calibrated/ Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty(\pm)*	Remarks
Push-Pull Gauge Tension Gauge	0 kgf to 100 kgf 0 kgf to 100 kgf	0.5 % of reading 0.5 % of reading	Calibrated using Deadweight Standard Weight based on ISO 376:2004
Load Measuring Device Tension	0 kgf to 500 kgf 500 kgf to 1 tonf 1 tonf to 5 tonf 5 tonf to 10 tonf 10 tonf to 30 tonf	0.015 kgf 0.58 kgf 1.67 kgf 13 kgf 79 kgf	Calibrated using Load Cell, Proving Ring and Tension/ Compression Testing Machine based on ISO 376:2004
Compression	0 kgf to 500 kgf 500 kgf to 1 tonf 1 tonf to 5 tonf 5 tonf to 10 tonf 10 tonf to 30 tonf 30 tonf to 40 tonf	0.015 kgf 0.56 kgf 1.67 kgf 13 kgf 79 kgf 93 kgf	

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SCOPE OF ACCREDITATION:

Instrument Calibrated/ Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty(\pm)*	Remarks
Shore Hardness Tester (spring load) 1. Type A, B, O, D, DO, OO 2. Type C, E	0 to 100 shore hardness index 0 to 100 shore hardness index	0.1 shore hardness index 0.2 shore hardness index	Calibrated using Durometer tester based on ASTM D 2240:2005
Adhesion Tester (pressure)	0 N/mm ² to 25 N N/mm ²	0.14 N/mm ²	Calibrated using Load Cell based on ASTM D 4541:2009

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Signatories:

1. **Seah Leong Ho**
2. **Mohamed a ir bin Ali**

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MS ISO/IEC 17025

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FIELD OF CALIBRATION: FORCE

SITE CALIBRATION: CATEGORY I

SCOPE OF ACCREDITATION:

Instrument Calibrated/ Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty(\pm)*	Remarks
Universal Testing Machine (Static Tensile and Compressive Load)	0 kgf to 500 kgf 500 kgf to 1,000 kgf 1,000 kgf to 5,000 kgf 5,000 kgf to 10,000 kgf 10,000 kgf to 50,000 kgf 50,000 kgf to 200,000 kgf	0.024 kgf 0.26 kgf 1 kgf 15 kgf 60 kgf 260 kgf	Calibrated using Deadweight up to 500 kgf or Load Cell based on ISO 7500-1:2004
Hardness Tester	20 HRA to 88 HRA 30 HRB to 100 HRB 10 HRC to 70 HRC	\pm 0.6 HRA \pm 0.6 HRB \pm 0.6 HRC	Calibrated using Load Cell and Hardness Block set based on ISO 6508-2:2005 under method clause 5 indirect verification

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Signatories:

1. **Seah Leong Ho**