

Schedule


Issue date: 26 August 2025
Valid Until: -



NO: SAMM 044

(Issue 2, 26 August 2025 replacement of SAMM 044 dated 26 August 2025)

Page: 1 of 5

LABORATORY LOCATION/ CENTRAL OFFICE:	Unit Test Scientific Sdn. Bhd No 5, Jalan PBI 1, Perindustrian Bukit Indah, 47000 Sungai Buloh, Selangor , 47000, SELANGOR MALAYSIA
	
ACCREDITED SINCE :	26 AUGUST 2025
FIELD(S) OF TESTING:	MECHANICAL
FIELD(S) OF CALIBRATION:	DIMENSIONAL FORCE
SITE:	
1 . SITE LABORATORY(HQ) :	Unit Test Scientific Sdn. Bhd, No 5, Jalan PBI 1, Perindustrian Bukit Indah, 47000 Sungai Buloh, Selangor, MALAYSIA
FIELD(S) OF TESTING :	MECHANICAL (STABILITY)
FIELD(S) OF CALIBRATION:	FORCE,HEAT & TEMPERATURE,MASS AND MASS RELATED

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment 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 test results and 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 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

*** The uncertainty covered by the CMC is expressed as the expanded uncertainty corresponding to a coverage probability of approximately 95 % and have a coverage factor of k=2 unless stated otherwise.**

CENTRAL LOCATION:	Unit Test Scientific Sdn. Bhd No 5, Jalan PBI 1, Perindustrian Bukit Indah, 47000 Sungai Buloh, Selangor , 47000, Selangor
FIELD(S) OF TESTING :	MECHANICAL,

SCOPE OF TESTING : MECHANICAL

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NO: SAMM 044

(Issue 2, 26 August 2025 replacement
of SAMM 044 dated 26 August 2025)

Page: 2 of 5

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Steel Product (flat Surface)	Vickers Hardness Test (1 kgf to 50 kgf)	ISO 6507-1 : 2018
	Roughness test (Ra parameter)	BS EN 12390-4 : 2000
	Parallelism test (up to 300 mm test length)	BS EN 12390-4 : 2000
	Flatness test (up to 300 mm test width)	BS EN 12390-4 : 2000 (Go No-go test method)

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NO: SAMM 044

(Issue 2, 26 August 2025 replacement of SAMM 044 dated 26 August 2025)

Page: 3 of 5

SITE LOCATION (HQ)	1. Unit Test Scientific Sdn. Bhd, No 5, Jalan PBI 1, Perindustrian Bukit Indah, 47000 Sungai Buloh, Selangor, MALAYSIA
FIELD(S) OF TESTING :	MECHANICAL (STABILITY)

SCOPE OF TESTING : MECHANICAL (STABILITY)

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
CENTRAL LOCATION	Unit Test Scientific Sdn. Bhd No 5, Jalan PBI 1, Perindustrian Bukit Indah, 47000 Sungai Buloh, Selangor , 47000, Selangor	
FIELD(S) OF CALIBRATION :	DIMENSIONAL, FORCE	

SCOPE OF CALIBRATION : DIMENSIONAL

Instrument Calibrated/Masurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (\pm)*	Remarks
Caliper (external Measurement)	0 mm to 300 mm	0.01 mm	Calibrated by caliper checker with reference to JIS B 7507:2016

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NO: SAMM 044(Issue 2, 26 August 2025 replacement
of SAMM 044 dated 26 August 2025)

Page: 4 of 5

SCOPE OF CALIBRATION : FORCE

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (\pm)*	Remarks
Concrete Rebound Hammer	Schmidt N/NR/ND, R = 81 ± 2	1 (Rebound value, R)	Calibrated by Anvil with reference to ASTM C805/C805M – 18 and BS EN 12504-2 : 2012
Proving Ring	0 kN to 50 kN	0.06 kN	Calibrated by comparison with proving ring and with reference to ISO 376 : 2011

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FIELD(S) OF CALIBRATION :	FORCE, HEAT & TEMPERATURE, MASS AND MASS RELATED

SCOPE OF CALIBRATION : FORCE

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques	Remarks
Compression Testing Machine	0.2 kN to 2 kN 1 kN to 10 kN 5 kN to 50 kN 50 kN to 500 kN 200 kN to 2000 kN 300 kN to 3000 kN 3001 kN to 3500 kN 3501 kN to 4000 kN 4001 kN to 4500 kN 4501 kN to 5000 kN	0.002 kN 0.01 kN 0.36 kN 0.4 kN 1.0 kN 1.1 kN 31.5 kN 36.0 kN 40.5 kN 45.0 kN	BS EN 12390- 4:2019 Annex B

SCOPE OF CALIBRATION : HEAT & TEMPERATURE

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(Issue 2, 26 August 2025 replacement
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Page: 5 of 5

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques	Remarks
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SCOPE OF CALIBRATION : MASS AND MASS RELATED

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques	Remarks
Balance	2g to 20g 20g to 200g 200g to 3000g 3kg to 6kg 6kg to 12kg 12kg to 30kg 30kg to 150kg	0.006 g 0.01 g 0.06 g 0.07 g 0.1g 0.0006 kg 0.009 kg	Calibrated by Standard weight with reference to ASTM E898-88

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