

Schedule

Issue date: 28 July 2025
Valid Until: -



NO: SAMM 1078

(Issue 2, 28 July 2025 replacement of SAMM 1078 dated 15 April 2025)

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LABORATORY LOCATION/ CENTRAL OFFICE:	QES Calibration Laboratory, QES (Asia-Pacific) Sdn Bhd No 2, Jalan Jururancang U1/21, HICOM Glenmarie Industrial Park, 40150 Shah Alam, Selangor, Malaysia. , 40150, SELANGOR MALAYSIA
	
ACCREDITED SINCE :	30 JUNE 2022
FIELD(S) OF CALIBRATION:	DIMENSIONAL MEASUREMENTS

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	QES Calibration Laboratory, QES (Asia-Pacific) Sdn Bhd No 2, Jalan Jururancang U1/21, HICOM Glenmarie Industrial Park, 40150 Shah Alam, Selangor, Malaysia. , 40150, Selangor
FIELD(S) OF CALIBRATION :	DIMENSIONAL,

SCOPE OF CALIBRATION : DIMENSIONAL MEASUREMENTS

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (\pm)*	Remarks
Coating Thickness	5.0 um (Ni)	0.14 um	1.0 um for Gold
	Up to 1mm	(1.4 +0.12L) um	Calibrated by
Gauge	None	None	and 5.0 um for
	Up to 2.3622 inch	87 pin	JIS B 7420:2021
	1 mm to 100 mm	0.0021 mm	procedure CP-
	Up to 50 mm	Where = nominal	using Bench
	(at designated length	None	Gauge Block
	1 kgf to 3 kgf	0.005 kgf	poise weights.
	3 kgf to 50 kgf	0.01 kof	Calibrations may be
50 kgf to 100 kgf	0.1 kof	given in other units	

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Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (\pm)*	Remarks
	50 kgf to 100 kgf	None	by conversion from
	50 kgf to 100 kgf	None	SI units.
Optical Measuring Microscope	X-axis: 0 mm to 450 mm Y-axis: 0 mm to 400 mm Z-axis: 0 mm to 40 mm	0.4 μ m 0.5 μ m 1.0 μ m	Calibration using standard line scales and gauge blocks.
X-ray Fluorescence	1.0 μ m (Au)	0.030 μ m	nominal thickness

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