

# 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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<b>LABORATORY LOCATION/ CENTRAL OFFICE:</b>	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
	
<b>ACCREDITED SINCE :</b>	30 JUNE 2022
<b>FIELD(S) OF CALIBRATION:</b>	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.**

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<b>FIELD(S) OF CALIBRATION :</b>	DIMENSIONAL,

## SCOPE OF CALIBRATION : DIMENSIONAL MEASUREMENTS

Instrument Calibrated/Masurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty ( $\pm$ )*	Remarks
Coating Thickness	5.0 $\mu$ m (Ni) Up to 1mm	0.14 $\mu$ m (1.4 +0.12L) $\mu$ m	1.0 $\mu$ m for Gold Calibrated by
Gauge	None Up to 2.3622 inch 1 mm to 100 mm Up to 50 mm (at designated length 1 kgf to 3 kgf 3 kgf to 50 kgf 50 kgf to 100 kgf	None 87 pin 0.0021 mm Where = nominal None 0.005 kgf 0.01 kof 0.1 kof	and 5.0 $\mu$ m for JIS B 7420:2021 procedure CP- using Bench Gauge Block poise weights. Calibrations may be 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 $\mu$ m 0.5 $\mu$ m 1.0 $\mu$ m	Calibration using standard line scales and gauge blocks.
X-ray Fluorescence	1.0 $\mu$ m (Au)	0.030 $\mu$ m	nominal thickness