

Schedule

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LABORATORY LOCATION/ CENTRAL OFFICE:	SMR Control Laboratory & SMR Instrument Services, Lembaga Getah Malaysia (LGM) 260 Jalan Ampang 50450 Kuala Lumpur , 50450, WILAYAH PERSEKUTUAN KUALA LUMPUR MALAYSIA
	
ACCREDITED SINCE :	19 MARCH 2025
FIELD(S) OF TESTING:	CHEMICAL/MECHNICAL
FIELD(S) OF CALIBRATION:	DIMENSION FORCE TEMPERATURE TORQUE

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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FIELD(S) OF TESTING :	CHEMICAL,

SCOPE OF TESTING : CHEMICAL/MECHNICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Plastics	semi-crystalline polymers by	ISO 3146:2022 (Method A)
	semi-crystalline polymers by	ISO 3146:2022 (Method A)
Raw, Dry Natural Rubber	None	(Section 6-8)
	None	(Section 6-8)
	None	SMR Bulletin No.7, B4, 2018
	None	SMR Bulletin No.7, B4, 2018

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Rapid Plasticity and Plasticity Retention Index	ISO 2930:2017 ISO 2007:2018
	Rapid Plasticity and Plasticity Retention Index	ISO 2930:2017 ISO 2007:2018
	Mooney Viscosity	SMR Bulletin No. 7, B7, 2018 ISO 289-1:2015
	Mooney Viscosity	SMR Bulletin No. 7, B7, 2018 ISO 289-1:2015
	Colour (Lovibond) (Colour Index Test)	SMR Bulletin No.7, B8, 2018 ISO 4660:2020 ASTM D 3157-05
	Colour (Lovibond) (Colour Index Test)	SMR Bulletin No.7, B8, 2018 ISO 4660:2020 ASTM D 3157-05
	synthetic-sampling and further	ISO 1795:2017
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FIELD(S) OF CALIBRATION :	DIMENSIONAL, FORCE, HEAT & TEMPERATURE, TORQUE

SCOPE OF CALIBRATION : DIMENSION

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (\pm)*	Remarks
Displacement Test	None	None	Laboratories on Calibration Maintenance of Equipment-
Plastimeter	None	None	dead weight, based on
	None	None	based on Guidelines for SMR
	0.2 mm to 1.0 mm	0.01 mm	block calibrator based on Guidelines for SMR

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SCOPE OF CALIBRATION : FORCE

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (\pm)*	Remarks
Load	100 N	0.1N	Laboratories on Calibration
	Unit)	None	Maintenance of Equipment-
Mooney Viscomete	0 to 100N	None	on Guidelines for SMR
	None	None	Indicator based on Guidelines

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SCOPE OF CALIBRATION : TEMPERATURE

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (\pm)*	Remarks
Platen Temperature	None	None	Calibration Maintenance of

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SCOPE OF CALIBRATION : TORQUE

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (\pm)*	Remarks
(monsanto R100)	0 min to 40 min (0 sec to 2400	0.25 sec	based on Guidelines for SMR Laboratories on Calibration
	42 ib.in	0.3 ib.in	Guidelines for SMR Laboratories on Calibration
Rheometer	None	None	Pt100 sensors & temperature
	None	None	Calibrated by using stopwatch
	None	None	Calibrated by using toque calibrator based on
Torqu	None	None	Maintenance of Equipment- Issue Sept 1995

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