


Schedule

Issue date: 07 April 2026
Valid Until: -



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LABORATORY LOCATION/ CENTRAL OFFICE:	Ascendent Technology Sdn. Bhd. Lot 941-1 (PT9521), Jalan Industri 10 Kg. Baru Sg. Buloh, Seksyen U19 40160 Shah Alam, Selangor , 40160, SELANGOR MALAYSIA
	
ACCREDITED SINCE :	12 MARCH 2025
FIELD(S) OF TESTING:	MECHANICAL
FIELD(S) OF CALIBRATION:	FLOW VOLUME DIMENSIONAL

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 :	MECHANICAL,

SCOPE OF TESTING : MECHANICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Soils	Liquid limit test	Tested using Fall Cone Penetrometer with reference to BS 1377-2 : 2022 clause 5.2 and BS EN ISO 17892-12-2018 AMD 1: 2021 (E)

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Liquid limit test	Tested using Casagrande with reference to BS 1377-2 : 2022 clause 5.4 and BS EN ISO 17892-12- 2018 AMD 2: 2022 (E)
	Plastic limit test	Test instruction reference to BS 1377-2 : 2022 clause 6.1 and BS EN ISO 17892-12-2018
	Water content	Test instruction reference to BS 1377-2 : 2022 clause 4.1 and BS 1377-1 : 2016 clause 8.3.3 and ISO 17892-1- 2014
Automotive And Electronics	Components Salt spray	Test instruction reference to IEC 60068-2- 11 - 2021 or ASTM B117- 2019
Automotive Parts, Printed Circuit Board Assembly, Finished Electrical & Electronic Product	Dry Heat Test (Range: 30 - 140°C)	Test instruction reference to IEC 60068-2-2 - 2007 Clause 6.5
	Damp Heat Cyclic Test Severity: a) 40°C, Cycle: 2, 6, 12, 21, 56 b) 50°C, Cycle: 1,2,6	Test instruction reference to IEC 60068-2-30-2005 Clause 5
	Damp Heat Steady State Test Severity: a) 30°C, 93% RH b) 30°C, 85% RH c) 40°C, 93 % RH d) 40°C, 85 % RH Duration: 2 hr,16 hr,24 hr 2 days, 4 days, 10 days, 21 days or 56 days	Test instruction reference to IEC 60068-2-78-2012 Clause 4.2
Hardened Concrete	Compressive Strength of Cubes Size : 150 x 150 x 150 mm Maximum Load 2000 kN	Test instruction reference to BS EN 12390-3-2019, MS EN 12390-3:2012
Thermal Construction And Finishing Of Buildings Or Structures	Non Combustability Test	Test instruction reference to BS 476 Part 4-1970
Plastic Material For Parts In Devices And Appliances	Horizontal Burning Test: HB	Test instruction reference to UL 94- 2018 Clause 8
	Vertical Burning Test: V-0, V-1, V-2	Test instruction reference to UL 94- 2018 Clause 8
	Vertical Burning Test: 5VA, 5VB	Test instruction reference to UL 94- 2018 Clause 9
	Thin Material Vertical Burning Test: VTM-0, VTM-1, VTM-2	Test instruction reference to UL 94- 2018 Clause 11
	Horizontal Burning Foamed Material Test: HBF, HF-1, HF-2	Test instruction reference to UL 94- 2018 Clause 12
Flow Water Meter Size: 15mm ~ 100mm Diameter	Determination of Intrinsic Errors (of Indication)	Test instruction reference to ISO 4064-2-2014 Clause 7.4 or OIML R049-1 Clause 7.2.3

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Viscosity Liquid Petroleum Products (transparent)	Kinematic Viscosity range: 7 ~ 35 mm ² /s 50 ~ 250 mm ² /s 100 ~ 500 mm ² /s 500 ~ 2500 mm ² /s 1600 ~ 8000 mm ² /s	Test instruction reference to BS EN ISO 3104:2020 (Manual equipment)
Ph Aqueous Solutions	pH value range: Range : pH 2 ~ 12	Test instruction reference to ASTM E 70-19

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FIELD(S) OF CALIBRATION :	FLOW, VOLUME, DIMENSIONAL

SCOPE OF CALIBRATION : FLOW

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (±)*	Remarks
Liquid Flow Meter (rate)	0 ~ 0.5m ³ /min	0.8% F.S.	By Gravimetric Method reference to ISO 4064-2-2014, clause 7.4

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SCOPE OF CALIBRATION : VOLUME

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (\pm)*	Remarks
Liquid Container (volume)	10 ~ 200 Litre	1.4% F.S.	Reference to Euramet CG 19 Version 3.0 (09/2018)

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SCOPE OF CALIBRATION : DIMENSIONAL

Instrument Calibrated/Measurement Parameter	Range	Calibration and Measurement Capability Expressed as an Uncertainty (\pm)*	Remarks
Caliper	0 ~ 300 mm	0.02 mm	Calibrated using Gauge Block reference to BS EN ISO 13385- 1-2019
External Micrometer	0 ~ 25 mm	0.002 mm	Calibrated using Gauge Block reference to ISO 3611-2010

SITE LOCATION (HQ)	1. Category 1
FIELD(S) OF CALIBRATION :	HEAT & TEMPERATURE, MASS

SCOPE OF CALIBRATION : MASS

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques	Remarks
Weighing Balance	Up to 200 g	0.0002 g	Calibration instruction reference to Euramet CG 18- 2015

SCOPE OF CALIBRATION : HEAT & TEMPERATURE

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques	Remarks
Heat Enclosure (oven, Chamber Autoclave And Freezer)	-20 ~ 200°C	1 °C	Calibrated using Data Logger and Thermocouple Wire (Type K) reference to TLAS G-20-1/02-2008