Issue date: 28 April 2025
Valid Until: -

NO: SAMM 1065
(Issue 2, 28 April 2025 replacement
of SAMM 1065 dated 08 January 2025)

LABORATORY LOCATION/ CENTRAL OFFICE:	Ideal Engineering Laboratory Sdn. Bhd. No. 15, Jalan Tk 5/42, Kinrara Industrial Park, 13 Km Jalan Puchong, 47100 Puchong, Selangor , 47100, SELANGOR MALAYSIA
ACCREDITED SINCE :	22 APRIL 2022
FIELD(S) OF TESTING:	MECHANICAL

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).

CENTRAL LOCATION:	Ideal Engineering Laboratory Sdn. Bhd. No. 15, Jalan Tk 5/42, Kinrara Industrial Park, 13 Km Jalan Puchong, 47100 Puchong, Selangor , 47100, Selangor
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	Plastic Limit (PL) and Plasticity Index (PI)	BS 1377: 2022: Part 2, Clause 5.3 & 5.4 BS EN ISO 17892: 2018: Part 12, Clause 5.5 & 6.5 MS 1056: 2013: Part 2: Clause 6.3 & 6.4
	Linear Shrinkage (LS)	BS 1377: 1990: Part 2, Clause 6.5 BS 1377: 2022: Part 2, Clause 7 MS 1056: 2013: Part 2: Clause 7.5
	Bulk and Dry Density	BS 1377: 1990: Part 2, Clause 7.2 BS EN ISO 17892: 2014: Part 2, Clause 5.1 MS 1056: 2013: Part 2: Clause 8.2

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Particle Density – Small Pycnometer Method / Fluid Pycnometer Method	BS 1377: 1990: Part 2, Clause 8.3 BS EN ISO 17892: Part 3, Clause 5.1 MS 1056: 2013: Part 2: Clause 9.3
	One Dimensional Consolidation Test / Incremental Loading Oedometer Test	BS 1377: 1990: Part 5, Clause 3 BS EN ISO 17892: 2017: Part 5, Clause 6 MS 1056: 2013: Part 5: Clause 4
	Unconsolidated Undrained Triaxial Test without Measurement of Pore Pressure (UU) • Single Stage	BS 1377: 1990: Part 5, Clause 8 BS EN ISO 17892: 2018: Part 8, Clause 6 MS 1056: 2013: Part 7: Clause 9
Rocks	*Uniaxial Compressive Strength of Intact Rock Core Specimens	ASTM D 7012-2023 (Method C)
	Point Load Test (PLT)	ASTM-D5731-16