Issue date: 17 March 2025
Valid Until: -

NO: SAMM 775
(Issue 2, 17 March 2025 replacement
of SAMM 775 dated 02 September 2024)

LABORATORY LOCATION/ CENTRAL OFFICE:	DCS Consolidated Construction Sdn. Bhd. No 6 & 6A, Jalan Meru Bestari A4, Medan Meru Bestari , 30020, PERAK MALAYSIA
ACCREDITED SINCE :	30 MAY 2016
FIELD(S) OF TESTING:	MECHANICAL
SITE:	
1 . SITE LABORATORY(HQ) :	Site Name 1
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:	DCS Consolidated Construction Sdn. Bhd. No 6 & 6A, Jalan Meru Bestari A4, Medan Meru Bestari , 30020, Perak
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**
Hardened Concrete	Compressive Strength of Concrete Cube (0-2000 kN)	BS EN 12390-3:2019
	Density of Hardened Concrete	BS EN 12390-7:2009
Aggregates/ Crusher-run	Particle Density & Water Absorption	BS 812: Part 2:1995 Clause 5
	Particle Size Distribution	BS EN 933-1:2012
	Flakiness Index	BS 812: Part 105-1:1989
	Elongation Index	BS 812: Part 105-2:1990
	Aggregate Crushing Value	BS 812: Part 110:1990
	Aggregate Crushing Value	MS 30: Part 8:1995

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Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**
Crusher-run	Determination of Dry Density/ Moisture Content Relationship (Compaction Test)	BS 1377: Part 4:1990 Clause 3.3 to Clause 3.6
	Moisture Content	BS 1377: Part 2:1990 Clause 3.2
	Liquid Limit (Casagrande Method)	BS 1377: Part 2:1990 Clause 4.5
	Plastic Limit & Plasticity Index	BS 1377: Part 2:1990 Clause 5.0
Soil/ Sand	Determination of Dry Density/ Moisture Content Relationship (Compaction Test)	BS 1377: Part 4:1990 Clause 3.3 to Clause 3.6
	Moisture Content	BS 1377: Part 2:1990 Clause 3.2
	Liquid Limit (Casagrande Method)	BS 1377: Part 2:1990 Clause 4.5
	Plastic Limit & Plasticity Index	BS 1377: Part 2:1990 Clause 5.0
	Particle Size Distribution	BS 1377: Part 2:1990 Clause 9.2 and Clause 9.3
Bituminous Premix	Thickness & Height of Compacted Bituminous Paving Mixtures Specimens	ASTM D3549/ D 3549 M-18
Hot Rolled Steel Bars For The Reinforcement Of Concrete Steel Bar And Steel Plate	a) Tensile strength	BS EN ISO 6892-1:2019
	b) Yield stress	BS EN ISO 15630-1:2019
	c) Elongation after fracture	MS 146:2014 (Clause 9)

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SITE LOCATION (HQ)	1. Site Name 1
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**
Soil	In-situ Density Test (Sand Replacement Method)	BS 1377: Part 9:1990 Clause 2.1
	Determination of the Dynamic Probing Resistance Using The 30°C/ 60°C (Mackintosh Probe, JKR Probe)	BS 1377: Part 9:1990 Clause 3.2
Sand/ Crusher-run	In-situ Density test (Sand Replacement Method)	BS 1377: Part 9:1990 Clause 2.1 & 2.2
Hardened Concrete	Surface Hardness Test by Rebound Hammer Method in rebound number, N	BS EN 12504-2:2021