Issue date: 19 December 2023
Valid Until: 09 December 2025

NO: SAMM 017
(Issue 1, 19 December 2023 replacement
of SAMM 017 dated 28 August 2025)

LABORATORY LOCATION/ CENTRAL OFFICE:	Sofinaz Holdings Sdn. Bhd. LOT 806, JALAN 3, MELALUI JALAN SUNGAI BESI, SEK 92, 55200 KUALA LUMPUR MALAYSIA , 55200, SELANGOR MALAYSIA
ACCREDITED SINCE :	17 MARCH 2025
FIELD(S) OF TESTING:	MECHANICAL
SITE:	
1 . SITE LABORATORY(HQ) :	Category I, LOT 806, JALAN 3, MELALUI JALAN SUNGAI BESI, SEK 92, 55200 KUALA LUMPUR MALAYSIA, MALAYSIA
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:	Sofinaz Holdings Sdn. Bhd. LOT 806, JALAN 3, MELALUI JALAN SUNGAI BESI, SEK 92, 55200 KUALA LUMPUR MALAYSIA , 55200, 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**
Concrete (fresh And Hardened) Compression	Compressive strength of concrete cube in the force range 50 KN to 2700 kN	MS 26: Part 2: 1991: Section 3 (Excluding Clauses 3.4.1 & 3.4.2) BS EN 12390-3: 2019 (Excluding Cylinder Testing)

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Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**
Concrete (fresh And Hardened) Density	Methods for determination of density of hardened concrete based on determination of volume by measurement of specimens & calculation and weighing of specimens in air.	MS 26: Part 2: 1991: Section 1: Clause 1.6 BS EN 12390-7: 2019
Concrete (fresh And Hardened) Water Permeability	Water penetration	BS EN 12390-8: 2019
Concrete (fresh And Hardened) Water Absorption Hardened Concrete -core Sample	Water Absorption	BS 1881: Part 122: 2011 (+A1:2020)
Concrete (fresh And Hardened) Othersbrick	Compressive strength of clay brick	MS 76: 1972: Section 3: Clause 39
Aggregates	Determination of Clay, Silt and Dust Content	BS 812: Part 1: 1975 Clause 7.2.4 & 7.2.5
	Determination of Aggregates Loose Bulk Density & Voids	BS EN 1097-3:1998 ASTM C29M - 17a
	Determination of Potential Alkali Silica Reactivity	ASTM C1260:2022
	Moisture Content	BS 1377: Part 2: 1990: Clause 3.2
	Soundness of Aggregates	ASTM C88: 2018 AASHTO T 104-99: 2003
	Los Angeles Abrasion Value	MS 30: Part 11: 1995 BS EN 1097-2: 2010
	Particle Density and Water Absorption	BS 812: Part 2: 1995 BS EN 1097-6:2022
	Aggregate Crushing Value (ACV)	BS 812: Part 110: 1990 MS 30: Part 8: 1995
	Aggregate Impact Value (AIV)	BS 812: Part 112: 1990 MS 30: Part 10: 1995
	Ten Percent Finess Value (TFV)	BS 812: Part 111: 1990 MS 30: Part 9: 1995
	Particle Size Distribution	BS 812: Section 103.1: 1985 MS 30: Part 4: Section 1: 1995 BS EN 933-1:2012
	Elongation Index	BS 812: Section 105.2: 1990 MS 30: Part 5: Section 2: 1995
	Flakiness Index	BS 812: Section 105.1:1989 MS 30: Part 5: Section 1: 1995
Aggregates others Fine Aggregate	Organic Impurities	MS 30: Part 3: 1995 ASTM C40/C40M-2020
Aggregates Others Coarse Aggregate	Determination of Particle Shape - Shape Index	BS EN 933-4: 2008
	Determination of Particle Shape - Flakiness Index	BS EN 933-3: 1997
	Determination of Resistance to Wear - Micro Deval Method	BS EN 1097-1: 2008

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Aggregates Others Filler Aggregate	Test for Geometrical Properties of Aggregates- Assessment of Fines (Grading of Filler Aggregates using Air Jet Sieving Method)	BS EN 933-10: 2009
Aggregates Others Filler Or Fine Aggregate	Test for Geometrical Properties of Aggregates- Assessment of Fines (Methylene Blue Test Method)	BS EN 933-9: 2022
	Test for Geometrical Properties of Aggregates- Assessment of Fines (Sand Equivalent Method)	BS EN 933-8:2012 (+A1:2015)
Soils	Determination of In-situ California Bearing Ratio	BS 1377: Part 9: 1990 Clause 4.3
	Determination of In-situ Density by Sand Replacement Method (Small Pouring Cylinder)	BS 1377: Part 9: 1990 Clause 2.1
	Determination of In-situ Density by Core Cutting Method	BS 1377: Part 9: 1990 Clause 2.4
	Determination of In-situ Density by Sand Replacement Method (Large Pouring Cylinder)	BS 1377: Part 9: 1990 Clause 2.2
	Determination of Plastic Limit and Plasticity Index	BS 1377: Part 2: 1990 Clause 5
Bituminous Materials And Bituminous Pavement (solid And Liquid) Others Asphalt Concrete	Thickness or Height of Compacted Bituminous Paving Mixture	ASTM D D 3549M: 2018
	Bitumen content for paving mixtures	ASTM D 2172: 2017e1
	Marshall stability and flow of bituminous mixtures	ASTM D 6927: 2015
	Bulk specific gravity and density of non- absorptive compacted bituminous mixtures	ASTM D 2726 / D2726M: 2021
Concrete (fresh And Hardened)	Determination of Rapid Chloride Penetration Test	ASTM C1202 - 2019
	Determination of the Initial Surface Absorption of Concrete	BS 1881: Part 208: 1996
	Determination of Drying Shrinkage (Concrete)	BS ISO 1920-8: 2009

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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	Determination of In-situ Density by Sand Replacement Method (Large Pouring Cylinder)	BS 1377: Part 9: 1990 Clause 2.2
	Determination of In-situ Density by Core Cutting Method	BS 1377: Part 9: 1990 Clause 2.4
	Determination of In-situ Density by Sand Replacement Method (Small Pouring Cylinder)	BS 1377: Part 9: 1990 Clause 2.1
	Determination of In-situ California Bearing Ratio	BS 1377: Part 9: 1990 Clause 4.3