Issue date: 06 April 2025
Valid Until: -

NO: SAMM 563

LABORATORY LOCATION/ CENTRAL OFFICE:	Makmal Kerja Raya Malaysia, CREAM IBS Centre, 1st Floor, Block E, Lot 8, Jalan Chan Sow Lin 55200 WP Kuala Lumpur , 55200, WILAYAH PERSEKUTUAN KUALA LUMPUR MALAYSIA
ACCREDITED SINCE :	06 APRIL 2025
FIELD(S) OF TESTING:	MECHANICAL
BRANCH:	
1 . BRANCH LABORATORY :	MAKMAL KERJA RAYA MALAYSIA (MKRM) CONSTRUCTION RESEARCH INSTITUTE OF MALAYSIA (CREAM) (SARAWAK), KOMPLEKS CIDB, JALAN SULTAN TENGAH, MALAYSIA
FIELD(S) OF TESTING:	MECHANICAL
2 . BRANCH LABORATORY :	MAKMAL KERJA RAYA MALAYSIA (MKRM) CONSTRUCTION RESEARCH INSTITUTE OF MALAYSIA (CREAM) (SABAH), LOT 4, INDUSTRIAL ZONE 15 KOTA KINABALU INDUSTRIAL PARK, 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:	Makmal Kerja Raya Malaysia, CREAM IBS Centre, 1st Floor, Block E, Lot 8, Jalan Chan Sow Lin 55200 WP Kuala Lumpur , 55200, Wilayah Persekutuan Kuala Lumpur
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	MS EN 12390-3: 2012 (Curing on specimens performed by customer)
Metallic Materials And Steel For Reinforcement Of Concrete	Tensile Properties i. Tensile Strength ii. Yield Strength iii. Elongation after Fracture iv. Elongation at Maximum Forces (as defined in MS ISO 15630-1: 2012)	MS ISO 6892-1: 2017 Method B
Steel Fabric For The Reinforcement Of Concrete	Weld shear force	MS ISO 15630-2:2012, Clause 7 (MS 145:2014, Clause 7.2.4)
	Dimensions & Mass	In-house method (MS 145:2014, Clause 7.3 & Table A.1)
Steel For Reinforcement Of Concrete	Mass Per Meter	In-house method (MS 146:2014, Clause 7.4)
Carbon Steel Tubes	Flattening	JIS G 3444:2016, Clause 9.2.4
Component Of Frame Scaffolding	Dimensional and Tolerance for Component of Frame Scaffolding	In-house method (MS 1462-1:2021, Clause 5) In-house method (JIS G 3444:2016, Clause 7)
Adjustable Jack Base/ Uhead (steel Frame Scaffolding)	Load Test on An Adjustable Jack Base/ U-Head	MS 1462-1:2021, Annex J
Steel And Steel Fabric For Reinforcement Of Concrete	Bend and Re-bend Test	MS ISO 15630-1:2012, Clause 6 and 7 MS ISO 15630-2:2012, Clause 6
Cross Brace Pins Of Vertical Frame	Load Test on Cross Braces Pins of a Vertical Frame	MS 1462-1:2021, Annex N

BRANCH LOCATION	1. MAKMAL KERJA RAYA MALAYSIA (MKRM) CONSTRUCTION RESEARCH INSTITUTE OF MALAYSIA (CREAM) (SABAH) LOT 4, INDUSTRIAL ZONE 15 KOTA KINABALU INDUSTRIAL PARK,MALAYSIA
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	MS EN 12390-3: 2012 (Curing on specimens performed by customer)
Metallic Materials And Steel For Reinforcement Of Concrete	Tensile Properties i. Tensile Strength ii. Yield Strength iii. Elongation after Fracture iv. Elongation at Maximum Forces	MS ISO 6892-1:2017 Method B MS ISO 15630-1:2012, Clause 5
Steel Fabric For The Reinforcement Of Concrete	Dimension	In-house method (TM 4-1), MS 145:2014, Clause 7.3
Steel For Reinforcement Of Concrete	Deviation from Nominal Mass Per Meter	MS ISO 15630-1:2012, Clause 12 MS 146:2014, Clause 7.4

BRANCH LOCATION	2. MAKMAL KERJA RAYA MALAYSIA (MKRM) CONSTRUCTION RESEARCH INSTITUTE OF MALAYSIA (CREAM) (SARAWAK) KOMPLEKS CIDB, JALAN SULTAN TENGAH,MALAYSIA
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	MS EN 12390-3: 2012 (Curing on specimens performed by customer)

Issue date: 06 April 2025
Valid Until: -

NO: SAMM 563

Metallic Materials And Steel For Reinforcement Of Concrete	Tensile Properties i. Tensile Strength ii. Yield Strength iii. Elongation after Fracture iv. Elongation at Maximum Forces	MS ISO 6892-1:2017 Method B MS ISO 15630-1:2012, Clause 5
Steel Fabric For The Reinforcement Of Concrete	Dimension	In-house method (TM 4-1), MS 145:2014, Clause 7.3
Steel For Reinforcement Of Concrete	Deviation from Nominal Mass Per Meter	MS ISO 15630-1:2012, Clause 12 MS 146:2014, Clause 7.4

Issue date: 06 April 2025
Valid Until: -

NO: SAMM 563