

Schedule

Issue date: 25 March 2025
Valid Until: -



NO: SAMM 155

Page: 1 of 2

LABORATORY LOCATION/ CENTRAL OFFICE:	Perak Hanjoong Simen Sdn Bhd Quality Control Department 33700 Padang Rengas, Perak , 33700, PERAK MALAYSIA
	
ACCREDITED SINCE :	25 MARCH 2025
FIELD(S) OF TESTING:	CHEMICAL 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:	Perak Hanjoong Simen Sdn Bhd Quality Control Department 33700 Padang Rengas, Perak , 33700, Perak
FIELD(S) OF TESTING :	CHEMICAL, MECHANICAL

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Ordinary Portland Cement & Clinker	Total alkali analysis (Na ₂ O & K ₂ O)	ASTM C114-2018 Clause 19.1
Cement	Silica oxide (SiO ₂) Aluminium oxide (Al ₂ O ₃) Ferric oxide (Fe ₂ O ₃) Calcium oxide (CaO) Magnesium oxide (MgO) Sulphur trioxide (SO ₃) Potassium oxide (K ₂ O)	MS EN 196-2: 2020 Clause 5 (X-ray fluorescence analysis)
	Determination of LOI	MS EN 196-2: 2020 Clause 4.4.1
	Determination of Sulfate	MS EN 196-2: 2020 Clause 4.4.2
	Determination of Insoluble Residue	MS EN 196-2: 2020 Clause 4.4.3

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Page: 2 of 2

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Determination of Chloride	MS EN 196-2: 2020 Clause 4.5.16
	Estimation of free lime	MS EN 196-2: 2020 Clause NA

SCOPE OF TESTING : MECHANICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Cement	Physical testing Fineness	MS EN 196-6: 2021 Clause 4 (Blaine apparatus) BS EN 196-6: 2018 BS EN 196-6:2018 (Ref. SS EN 197-1: 2014, Annex ZZA)
	Soundness	MS EN 196-3: 2022 Clause 7 (Le Chatelier method) BS EN 196-3: 2016 Clause 7 (Le Chatelier method) BS EN 196-3: 2016 – Clause 7 (Ref. SS EN 197-1: 2014, Annex ZZA)
	Standard Consistence	MS EN 196-3: 2022 Clause 5 (Vicat apparatus) BS EN 196-3: 2016 Clause 5 (Vicat apparatus) BS EN 196-3: 2016 – Clause 5 (Ref. SS EN 197-1: 2014, Annex ZZA)
	Initial and Final Setting time	MS EN 196-3: 2022 Clause 6 (Vicat apparatus) BS EN 196-3: 2016 Clause 6 (Vicat apparatus) BS EN 196-3: 2016 – Clause 6 (Ref. SS EN 197-1: 2014, Annex ZZA)
	Compressive strength using mortar prism	MS EN 196-1: 2021 Clause 9 BS EN 196-1: 2016 – Clause 9 BS EN 196-1: 2016 (Ref. SS EN 197-1: 2014, Annex ZZA)

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