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of SAMM 1104 dated 20 August 2025)

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LABORATORY LOCATION/ CENTRAL OFFICE:	Laboratory, Quality Control Department, Alliance Steel (M) Sdn. Bhd. Kawasan Industri Malaysia-China Kuantan (MCKIP) Jalan Gebeng By Pass , 26080, PAHANG MALAYSIA
	
ACCREDITED SINCE :	20 AUGUST 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).

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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
Ores & Minerals Iron Ore	Total iron (TFe) Ferrous oxide (FeO) Alumina (Al ₂ O ₃) Phosphorus (P) Silica (SiO ₂) Sulphur (S)	GB/T 6730.65 – 2009 GB/T 6730.71 – 2014 GB/T 6730.62 – 2005 GB/T 6730.62 – 2005 GB/T 6730.62 – 2005 GB/T 6730.61 – 2022
Coal	Ash (A) Volatile matter (VM) Total sulphur (S)	GB/T 30732 – 2014 GB/T 30732 – 2014 GB/T 214 – 2007
Dolomite	Calcium oxide (CaO) Magnesium oxide (MgO)	GB/T 3286.1 – 2012 GB/T 3286.1 – 2012

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SCOPE OF TESTING : MECHANICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Steel	Determination of Elements in Carbon Steel, Low Alloy Steel by Spark Atomic Emission Spectrometry	ASTM E415 – 21
Reinforcing Bar, Wire Rod And Wire Weldable Reinforcing Steels Bar, Coil And Decoiled Product	Tensile Test (max 2000kN)	BS EN ISO 15630-1:2019 Clause 5
	Bend Test Rebend Test	BS EN ISO 15630-1:2019 Clause 6 BS EN ISO 15630-1:2019 Clause 7
	Dimensions, Mass Per Metre & Tolerance	BS 4449:2005+A3:2016 Clause 7.3
	Surface Geometry	BS 4449:2005+A3:2016 Clause 7.4.2
Steel Wire For The Reinforcement Of Concrete Products	Tensile Test (max 300 kN) Dimensions and permissible variations	ASTM A370-23 Clause 12 ASTM A510M-20 Clause 9