

Schedule

Issue date: 24 December 2024
Valid Until: 31 July 2028



NO: SAMM 843

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LABORATORY LOCATION/ CENTRAL OFFICE:	Amalgamated Metal Corporation (M) Sdn. Bhd. AMALGAMATED METAL CORPORATION (M) SDN. BHD. LOT 109B/23C/24 KAWASAN PERINDUSTRIAN GEBENG , 26080, PAHANG MALAYSIA
	
ACCREDITED SINCE :	31 JULY 2017
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:	Amalgamated Metal Corporation (M) Sdn. Bhd. AMALGAMATED METAL CORPORATION (M) SDN. BHD. LOT 109B/23C/24 KAWASAN PERINDUSTRIAN GEBENG , 26080, Pahang
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
Metals And Metal Products	1) Tensile Test Range: 0 kN to 1000 kN Properties measured: i. Yield stress ii. 0.2 % Proof stress iii. Tensile strength iv. Elongation % v. Reduction in area % vi. Young's modulus	ASME A370 AWS D1.1 DIN EN ISO 9015-1 E 340
	2) Bend Test i. Side bend ii. Root bend iii. Face bend	ASME A370 AWS D1.1 DIN EN ISO 9015-1 E 340

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	3) Charpy Impact Test V-notch Range: 0 J to 300 J Sub-zero temperatures (-50 °C) to ambient temperatures	ASME A370 AWS D1.1 DIN EN ISO 9015-1 E 340
	4) Vickers Hardness Survey 0.1 to 10 kgf	ASME A370 AWS D1.1 DIN EN ISO 9015-1 E 340
Welds And Welded Test Specimens	Test required for the Procedure Qualification test (PQR), Welder Performance Test (WQT), Production Control Test (PTP), Consumable testing.	ASME IX AWS D1.1 DIN EN ISO 9015-1 E 340
	1) All Weld Tensile Test Range: 0 kN to 1000 kN i. Yield stress ii. 0.2 % Proof stress iii. Tensile strength iv. Elongation % v. Reduction in area % vi. Young's modulus	
	2) Transverse Tensile Test Range: 0 kN to 1000 kN	ASME IX AWS D1.1 DIN EN ISO 9015-1 E 340
	3) Bend Test i. Side bend ii. Root bend iii. Face bend	ASME IX AWS D1.1 DIN EN ISO 9015-1 E 340
	4) Charpy Impact Test (V-Notch and U-Notch) Range: i. Minus 50 °C to room temperature ii. 0 J to 300 J	ASME IX AWS D1.1 DIN EN ISO 9015-1 E 340
	5) Macro Examination of Welds	ASME IX AWS D1.1 DIN EN ISO 9015-1 E 340
	6) Hardness of Welds	ASME IX AWS D1.1 DIN EN ISO 9015-1 E 340
Material Composition Analysis Carbon & Low Alloy Steel, Stainless Steel, Duplex Steel	Material Composition (Optical Emission Spectrometer Method)	ASTM E415 ASTM E1086

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Welds And Welded Metallic Materials	1) Transverse Tensile Test Range: 0 kN to 900 kN	BS EN ISO 15614-1
	2) Bend Test i. Side bend ii. Root bend iii. Face bend	BS EN ISO 15614-1
	3) Charpy Impact Test (V-Notch) Range: 0 J to 300 J Minus 50 °C to room temperature	BS EN ISO 15614-1
	4) Macro Examination of Welds	BS EN ISO 15614-1
	5) Vickers hardness test	BS EN ISO 15614-1

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