Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

0935

Accredited to ISO/IEC 17025:2017

ASAMS Limited

Issue No: 046 **Issue date:** 11 January 2022

Marine Building
Owen Road
Harfreys Industrial Estate
Great Yarmouth
Norfolk
NR31 0NA

Contact: Mr A Page
Tel: +44 (0)1493 653535
Fax: +44 (0)1493 653254
E-Mail: sales@asams.co.uk
Website: www.asams.co.uk

Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS, ALLOYS and METAL PRODUCTS	Mechanical Tests	
	Bend	BS EN ISO 7438:-2020
	Hardness:	
	Brinell (HB 10/3000)	BS EN ISO 6506-1:2014 ASTM E10- 18
	Rockwell (B and C scales)	BS EN ISO 6508-1:2016 ASTM E18-20
	Vickers (HV5, 10)	BS EN ISO 6507-1:2018 ASTM E92-17
	Tensile at ambient temperature (Forces up to 600 kN)	BS EN ISO 6892-1: 2019 ASTM E8/E8-21 ASTM A370-20 ASTM B557-15
	Impact testing:	
	Charpy (-196°C and -123°C to Ambient Temperature)	BS EN ISO 148-1:2016 ASTM E23- 18 ASTM A923-14 Method B
	Lateral expansion and % Shear	BS EN ISO 148-1:2016 ASTM E23- 18

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS, ALLOYS and METAL PRODUCTS (cont'd)	Metallurgical Tests	
	Macrostructure and Microstructure Assessment	ASAMS OP No 07 rev 3
	Ferrite content	ASTM E562: 19 OP27 Rev1 using Feritscope
	Graphite content by Comparison	ASTM A247:19
	Average Grain size	ASTM E112:13
	Austenite Spacing	DNVGL-RP-F112 A.6
	Coating thickness	ASTM B487:85 (2020)
Duplex Stainless Steel	Detrimental Intermetallic Phases	ASTM A923-14 Method A
WELDMENTS	Mechanical and Metallurgical Tests	
	Tests designated in specified welding codes as detailed below: Bend, Fracture, Hardness, Impact, Tensile and Macro assessment in accordance with specific welding codes	BS EN ISO 9606-1:2017 BS EN ISO 9606-2:2004 BS EN ISO 15614-1:2017+A1:2019 BS EN ISO 15614-2:2005 BS EN ISO 15614-6:2006 BS EN ISO 15614-7: 2019 BS EN ISO 15614-8:2016 BS EN ISO 9016:2012 BS EN ISO 5178:2019 BS EN ISO 4136:2012 BS EN ISO 5173:2010+A1:2011 BS EN ISO 9015-1:2011 BS EN ISO 9017:2018 BS EN ISO 17639:2013 BS 4515:Part 1:2009 BS 4515:Part 2:1999 BS 4871:Part 3:1985 BS 4872:Part 1:1982 BS 4872:Part 2:1976 ANSI/AWS D1.1-15 ASME IX- 21 ASAMS OP No 07 rev. 3 ASAMS OP No 09 rev. 1 BS EN ISO 5817:2014

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Testing performed at main address only	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
	Mechanical Tests	
Carbon steel, stainless steel & stainless steel clad reinforcing bars, wire rod, wires, welded fabrics for the reinforcement of concrete, and steel bars, wire and strand for the pre-stressing of concrete	Tensile (R_m and F_m only) (Forces to 600 kN	BS EN ISO 15630-1:2019 BS 8548:2017
	Weld shear	BS EN ISO 15630-2:2019 BS 8548:2017
	Bend	BS 8548:2017
	Metallurgical tests	
	Macro examination	BS 8548:2017
	Corrosion Tests	
STAINLESS STEELS	Pitting and crevice corrosion resistance	ASTM G48=11(2020) e1 Reapproved ASTM A923-14 Method C
AUSTENITIC STAINLESS STEELS	Susceptibility to intergranular attack	ASTM A262- 15 (Practice A and E)
END		