


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p><b>0935</b></p> <p>Accredited to <b>ISO/IEC 17025:2005</b></p>	<h3>ASAMS Limited</h3> <p><b>Issue No: 033    Issue date: 16 November 2010</b></p>	
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<p><b>Testing performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS, ALLOYS and METAL PRODUCTS	<u>Mechanical Tests</u>	
	Bend	BS EN ISO 7438:2005
	Hardness:	
	Brinell (HB 1/30)	BS EN ISO 6506-1:2005
	Brinell (HB 10/3000)	BS EN ISO 6506-1:2005 ASTM E10-10
	Rockwell (B and C scales)	BS EN ISO 6508-1:2005 ASTM E18-08
	Vickers (HV5, 10, 30)	BS EN ISO 6507-1:2005 ASTM E384-10
	Tensile at ambient temperature (Forces up to 1000 kN)	BS EN ISO 6892-1:2009 ASTM E8/E8-09 ASTM A370-09 ASTM B557M-07
	Impact testing:	
	Charpy (Ambient temperature to -196°C)	BS EN 10045-1:1990
Crystallinity	BS 131:Part 5:1965	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS, ALLOYS and METAL PRODUCTS (cont'd)	<u>Mechanical Tests</u> (cont'd)	
	Impact testing cont'd	
	Lateral expansion	BS 131:Part 6:1989 ASTM E23-07
	% Shear	ASTM E23-07
	<u>Metallurgical Tests</u>	
	Macrostructure and Microstructure Assessment	ASAMS OP No. 07
	Determination of ferrite content	ASTM E562:08
	Determination of ferrite content	DIHM ASAMS 23-0 Rev0 Feb 09 using Ferritscope
	Determination of graphite content by Comparison	ASTM A247:10
	Determination of grain size	ASTM E112:96(2004)
Determination of coating thickness	ASTM B487:85(2007)	
WELDMENTS	<u>Mechanical and Metallurgical Tests</u>	
	Tests designated in specified welding codes as detailed below:	BS EN 287:Part 1:2004 BS EN ISO 9606-2:2004 BS EN ISO 15614-1:2004 BS EN ISO 15614-2:2005 BS EN ISO 15614-6:2006 BS EN 288:Part 9:1999 BS EN 875:1995 BS EN 876:1995 BS EN 895:1996 BS EN ISO 5173:2010 BS EN 1043-1:1996 BS EN 1320:1997 BS EN 1321:1997 BS 4515:Part 1:2000 BS 4515:Part 2:1999 BS 4871:Part 3:1985 BS 4872:Part 1:1982 BS 4872:Part 2:1976
	Bend, Fracture, Hardness, Impact, Tensile and Macro assessment in accordance with specific welding codes	



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WELDMENTS (cont'd)	<u>Mechanical and Metallurgical Tests cont'd</u>  Tests designated in specified welding codes as detailed below:  Bend, Fracture, Hardness, Impact, Tensile and Macro assessment in accordance with specific welding codes  <u>Corrosion Tests</u>	ISO 5178:2001 ISO 5173:2000 ISO 4136:2001 ISO 9017:2001 ISO 17639:2003 ANSI/AWS D1.1-10 ASME IX-10 ASAMS OP No. 07 ASAMS OP No. 09
STAINLESS STEELS	Pitting and crevice corrosion resistance	ASTM G48-03 (Methods A) ASAMS OP No. 15
AUSTENITIC STAINLESS STEELS	Susceptibility to intergranular attack	ASTM A262-10 (Practice A and E) ASAMS OP No. 15
METALS and METAL ALLOYS	<u>Chemical Analysis</u>	
Ferrous alloys, Stainless steels	Elemental Analysis C, Si, Mn, P, S, Cr, Mo, Ni, Al, Cu, B, Co, Pb, Ti, V, Nb, W, Sn, Mg, As	Documented In-House Method ASAMS OP No. 12 using glow discharge spectrometry technique
END		