

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>Accredited to ISO/IEC 17025:2005</p>	Exova (UK) Ltd	
	Issue No: 014 Issue date: 08 October 2010	
	Wellhead Way Wellhead Industrial Est Dyce Aberdeen AB21 7GD	Contact: Mr J Smith Tel: +44 (0)1224 776050 Fax: +44 (0)131 333 5135 E-Mail: Jim.Smith@exova.com Website: www.exova.com
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address Wellhead Way Wellhead Industrial Est Dyce Aberdeen AB21 7GD	Local contact Jim Smith Tel: +44 (0)1224 776050 Fax:+44 (0)131 333 5135	Metals & Weldments - Corrosion tests Metals & Weldments - Mechanical tests Metals & Weldments - Metallurgical tests
		ABE

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Premises including Commercial and Industrial	Jim Smith Tel: +44 (0)1224 776050 Fax:+44 (0)131 333 5135	Metals & Weldments - Metallurgical tests
		C & I



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
METALS, ALLOYS and METAL PRODUCTS Austenitic Stainless Steels, Nickel and Chromium based Alloys.	<u>Corrosion Tests</u>		
	Resistance to Intergranular Corrosion	BS EN ISO 3651-2:1998 Methods A, B & C ASTM A262-02a Methods A, B, C, E & F	ABE
	Pitting Corrosion	ASTM G48-03 Method A Shell ES/247 Rev 2 BS 4515-2:1999 Annex C	ABE
	<u>Mechanical Tests</u>		
	Bend	BS EN ISO 7438:2005	ABE
	Hardness:		
	Brinell (1mm/30 kg)	BS EN ISO 6506-1:2005 ASTM E10-07	ABE
	Rockwell (B and C)	BS EN ISO 6508-1:2005 ASTM E18-08b	ABE
	Vickers (HV5, 10 and 30)	BS EN ISO 6507-1:2005 ASTM E92-82(2003)	ABE
	Impact: Charpy V Notch (temperature range: -196°C and -120°C to ambient)	BS EN 10045-1:1990 ASTM E23-07a ISO 148-1(2006)	ABE
	Tensile at ambient temperature (forces up to 1200 kN)	BS EN ISO 6892-1:2009 ASTM E8/E8M-09 ASTM A370-09a DNV-OS-F101 Oct 2007	ABE
	<u>Metallurgical Tests</u>		
	Grain Size	ASTM E112-96 Comparison method	ABE



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
METALS, ALLOYS and METAL PRODUCTS (cont'd)	<u>Metallurgical Tests (cont'd)</u>		
	Determination of surface features (magnifications x12 to x20,000)	Documented In House Method E-E-OP-EE-ME-AN-MD020 using visual and Scanning Electron Microscopy techniques	ABE
	Surface examination using metallographic replica techniques	Documented In House Methods E-E-OP-EE-ME-AN-MD019 & -MD021 using metallographic replica techniques of BS ISO 3057:1998	ABE and C&I
Weldments	Volume fraction	ASTM E562-08 Shell ES/247 Rev 2 Appendix A	ABE
	Tests designated in specified welding codes as detailed below Bend, Fracture, hardness, Impact, Tensile, Macro and Micro-Examination	API 5L 44 th Edition 2007 API 1104 (20 th Edition) BS EN 287:Part 1:2004 BS EN ISO 9606-2:2004 BS EN ISO 15614-1:2004+A1 BS EN ISO 15614-2:2005 BS EN 875:1995 BS EN 876:1995 BS EN 895:1995 BS EN ISO 5173:2010 BS EN 1043-1:1996 BS EN 1320:1997 BS EN 1321:1997 BS 2654:1989 BS4515-1:2009 BS4515-2:1999 PD 5500:2009 BS 4870:Part 3:1985 BS 4871:Part 3:1985 ASME IX - 2007 AWS D1.1/D1.1M-08 DNV-OS-F101 Oct 2007	ABE
END			