Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

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Accredited to ISO/IEC 17025:2017

Altrad Babcock Limited

Issue No: 059 **Issue date:** 02 May 2025

Porterfield Road **Renfrew** **Scotland** **PA4 8DJ**	**Contact: Mr A Hughes** **Tel: +44 (0)1416749908** **E-Mail: andrew.hughes@altrad.com** **Website: www.altradbabcock.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 Altrad Babcock Ltd Porterfield Road Renfrew Scotland PA4 8DJ **Local contact** Mr A Hughes Tel: +44 (0)141 6749908 Email: andrew.hughes@altrad.com Website: www.altradbabcock.com	Metals and Weldments - Mechanical Tests Metals and Weldments - Metallurgical Tests Metals and Weldments - NDT Tests Metals and weldments - Corrosion	A

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Premises including commercial and industrial	Metals and Weldments - NDT Testing Metals and Weldments - Metallurgical Tests	B

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			
Iron, steel and other ferrous alloys (cont'd)	Mechanical and Physical Tests		
	Brinell Hardness HBW10/3000	BS EN ISO 6506-1:2014 ASTM E10-23 ASTM A370-24	A
	Vickers Hardness HV30, HV10, HV5, HV1, HV0.5 and HV0.3	BS EN ISO 6507-1:2023 ASTM A370-24ASTM E92-23	A
	Tensile testing:		
	Ambient Temperature (Load up to 1200 kN)	BS EN ISO 6892-1:2019 ASTM E8/E8M-24 ASTM A370-24	A
	Elevated Temperature (load up to 200 kN) (up to 700 °C)	BS EN ISO 6892-2:2018 ASTM E21-20 ASTM A370-24	A
	Impact testing:		
	Charpy (-196 °C and -60 °C to 120 °C)	BS EN ISO 148-1:2016 ASTM E23-24 ASTM A370-24	A
	Bend	BS EN ISO 7438:2020 ASTM E290-22 ASTM A370-24	A
	Fracture Toughness:		
	CTOD (-60 °C to ambient temperature)	BS ISO 12135:2021 ASTM E1820-24	A
	J (-40 °C to ambient temperature)	BS 8571:2018	
Seamless and welded steel tube	Tube - Drift Expanding test	BS EN ISO 8493:2004 ASTM A370-24	A
	Tube - Flattening test	BS EN ISO 8492:2013 ASTM A370-24	

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</u>		
	Metallographic replication preparation	Documented In-House Method AIMS-WI-590	A, B
	Metallographic replication assessment for microstructure and creep damage	Documented In-House Method AIMS-WI-595	A, B
METALS, ALLOYS and METAL PRODUCTS	<u>Corrosion Tests</u>		
Stainless steels	Resistance to pitting corrosion	ASTM G48-11(2020) Method A	A
	Intergranular corrosion	ASTM G28-22 Method A ASTM A262-15 (2021) Practice A & E	A
Weldments	Tests designated in specific welding codes, excluding non-destructive testing - as detailed below: Impact, Tensile, Bend, Hardness, Fracture, Macroscopic and Microscopic Examination Visual inspection by certified staff	BS EN ISO 4136:2022 BS EN ISO 5173:2023 BS EN ISO 5178:2019 BS EN ISO 9015-1:2011 BS EN ISO 9016:2022 BS EN ISO 9017:2018 BS EN ISO 17637:2016 BS EN ISO 17639:2022 BS EN ISO 9606-1:2017 BS EN ISO 15614-1:2017+A1:2019 ASME BPVC IX:2023 API 1104:2021 (22nd Edition) BS 4515-1:2009 BS 4515-2:1999 AWS D1.1/D1.1M:2020 24th Edition API SPEC 6A:2022 21st Edition EEMUA 158:2014 BS EN ISO 15156-2:2020 NACE MR0175/ISO 15156:2020	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
LIGHT and DENSE METALS and ALLOYS including forgings and weldments	<u>Non-Destructive Tests</u> Automated Ultrasonic Flaw Detection examination method under the supervision of suitably qualified personnel	Specific Procedures to client's requirements, based on Documented In-House Procedure AIMS-SOP-28-34	A, B
	Semi-automated Ultrasonic Flaw Detection; including TOFD (Time of flight diffraction)	BS EN ISO 10863:2020 Specific procedures to client's requirements based on Documented In-House Procedure AIMS-SOP-28-64	A, B
	Ultrasonic Phased-array inspection method	Documented In-House Procedure AIMS-SOP-28-58, AIMS-SOP-28-59 and AIMS-SOP-28-61 BS EN ISO 13588:2019 ASME BPVC 2021, Section V: Article 4	A, B
	Fluorescent & Colour Contrast Penetrant	Documented In-House Procedure OP-303-0454-601 BS EN ISO 3452-1:2021 BS EN 10228-2:2016 ASME BPVC 2021, Section V: Article 6	A, B
	Magnetic Particle	Documented In-House Procedure AIMS-SOP-28-70 BS EN ISO 17638:2016 BS EN 10228-1:2016 BS EN ISO 9934-1:2016 ASME BPVC 2021, Section V:Article 7	A, B
DENSE METALS Weldments and forgings	Ultrasonic Flaw Detection: Manual Contact Method	Documented In-House Procedure AIMS-SOP-28-50 BS EN 17640 :2018 BS EN 23279 :2017 BS EN10228-3:2016 BS EN 10228-4:2016 ASME BPVC 2021, Section V:Article 5	A, B
Stainless steel and nickel alloys	Positive Metal Identification (PMI)	Documented In-House Method AIMS-WI-592 using Portable Niton XRF Analyser	A, B
END			