


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS TESTING</p> <p>4199</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>Induction Pipe Bending UK Limited Trading as IPB Mechanical Testing</p> <p>Issue No: 027 Issue date: 25 April 2022</p>	
	<p>11 Sedling Road Wear Industrial Estate Washington Tyne & Wear NE38 9BZ</p>	<p>Contact: Mr D McAlpine Tel: +44 (0)1914 178066 Fax: +44 (0)1914 178078 E-Mail: dmcalpine@inductionbending.co.uk Website: www.ipbtesting.co.uk</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>ENGINEERING MATERIALS, MACHINERY, STRUCTURES & PRODUCTS</p> <p>METALS, ALLOYS and METAL PRODUCTS</p> <p>Carbon steel, stainless steel, duplex stainless steel</p>	<p><u>Mechanical Tests</u></p> <p>Tensile - ambient temperature (forces from 0.25kN to 500kN)</p> <p>Hardness: Brinell HBW 10/3000</p> <p>Vickers (HV10)</p> <p>Charpy Impact (V notch) (-101°C to ambient & -196°C) including lateral expansion and percentage shear</p> <p>Izod (ambient)</p> <p>Bend</p>	<p>BS EN ISO 6892-1:2019 Method A ASTM A370-21 ASTM E8/E8M-21 Method B API 5L (46th Edition) 2018</p> <p>BS EN ISO 6506-1:2014 ASTM A370-21 ASTM E10-18</p> <p>BS EN ISO 6507-1:2018</p> <p>BS EN ISO 148-1:2016 ASTM A370-21 ASTM E23-18</p> <p>BS 131-1:1961 (2007)</p> <p>BS EN ISO 7438:2020</p>
<p>Metals & weldments - corrosion Stainless steels</p>	<p><u>Corrosion Tests</u></p> <p>Pitting corrosion</p> <p>Intergranular corrosion</p>	<p>ASTM G48-11 (2020e1) Method A</p> <p>ASTM A262-15 (2021) Method E ASTM G28-02 (2015) Method A</p>



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Induction Pipe Bending UK Limited
Trading as IPB Mechanical Testing
Issue No: 027 Issue date: 25 April 2022

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS, ALLOYS and METAL PRODUCTS (cont'd)	<u>Chemical Tests</u>	
Low Alloy and Carbon Steel	Elemental analysis C, Mn, Si, S, P, Cu, Ni, Cr, Mo, Sn, Nb, V, Al, Ti, B, Zr	Documented In-House Method IPBMT/ITP-28 using spark source Optical Emission Spectroscopy
Stainless Steels and Duplex Stainless Steels	Elemental analysis C, Mn, Si, S, P, Cu, Ni, Cr, Mo, V, Ti, Nb	Documented In-House Method IPBMT/ITP-28 using spark source Optical Emission Spectroscopy
	<u>Metallurgical Tests</u>	
Metals & weldments - metallurgical Duplex stainless steels	Phase analysis (Ferrite count)	ASTM E562-19e1
	Grain size - comparative method	ASTM E112-13(2021)
	Detecting detrimental Intermetallic phases (Duplex stainless steels)	ASTM A923-14 Method A
	<u>Mechanical and Metallurgical Tests</u>	
Weldments, Steels and Aluminium Alloys	Test designated in specified welding codes, excluding non-destructive testing, as detailed below - Bend, Fracture, Hardness, Impact, Tensile, Macro and Micro-examination	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 17639:2022 BS EN ISO 4136:2012 BS EN ISO 5173:2010+A1(2011) BS EN ISO 9015-1:2011 BS EN ISO 9016:2012 BS EN ISO 9017:2018 AWS D1.1/D1.1M:2020 ASME IX:2021
END		