

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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



4199

Accredited to  
ISO/IEC 17025:2017

### Induction Pipe Bending UK Limited Trading as IPB Mechanical Testing

Issue No: 025 Issue date: 20 May 2021

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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
ENGINEERING MATERIALS, MACHINERY, STRUCTURES & PRODUCTS		
METALS, ALLOYS and METAL PRODUCTS	<u>Mechanical Tests</u>	
Carbon steel, stainless steel, duplex stainless steel	Tensile - ambient temperature (forces from 0.25kN to 500kN)	BS EN ISO 6892-1:2019 Method A ASTM A370-20 ASTM E8/E8M-21 Method B API 5L (46 <sup>th</sup> Edition) 2018
	Hardness: Brinell HBW 10/3000	BS EN ISO 6506-1:2014 ASTM A370-20 ASTM E10-18
	Vickers (HV10)	BS EN ISO 6507-1:2018
	Charpy Impact (V notch) (-196°C to ambient) including lateral expansion and percentage shear	BS EN ISO 148-1:2016 ASTM A370-20 ASTM E23-18
	Izod (ambient)	BS 131-1:1961 (2007)
	Bend	BS EN ISO 7438:2020
Metals & weldments - corrosion Stainless steels	<u>Corrosion Tests</u>	
	Pitting corrosion	ASTM G48-11 (2020e1) Method A
	Intergranular corrosion	ASTM A262-15 Method E ASTM G28-02 (2015) Method A



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**Induction Pipe Bending UK Limited**  
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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>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
Nickel Alloys	Elemental analysis C, Si, Mn, P, S, Cr, Mo, Ni, Al, Cu, Nb, Ti, V, Fe.	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
	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 287:Part 1:2011 (Superseeded) 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 17639:2013 BS EN ISO 4136:2012 BS EN ISO 5173:2010+A1(2011) BS EN ISO 9015-1:2011 BS EN ISO 9016-1:2012 BS EN ISO 9017:2018 AWS D1.1/D1.1M:2020 ASME IX:2019
END		