


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS TESTING 1178</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>Southdown Materials Testing Ltd</h3> <p>Issue No: 043 Issue date: 31 October 2024</p>	
	<p>Unit 5, Tansey Green Industrial Estate Tansey Green Road Pensnett Brierley Hill West Midlands DY5 4TL</p>	<p>Contact: Mr S R Southall Tel: +44 (0)1384 482880 E-Mail: enquiries@southdowntesting.co.uk Website: www.southdowntesting.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
METALS, ALLOYS and METAL PRODUCTS	<p><u>Chemical Tests</u></p> <p>Elemental analysis</p> <p>Aluminium Alloys Si, Mn, Cr, Ni, Cu, Ti, Pb, Sn, Fe, Mg, Zn</p> <p>Plain Carbon and Low Alloy Steels As, C, Sb, Si, Mn, P, S, Al, Cr, Mo, Ni, Cu, V, B, Sn, Co, Ti, W, Pb, Nb, Zr</p> <p>Stainless Steels (Austenitic, Ferritic and Duplex) C, Si, Mn, P, S, Cr, Ni, Mo, Nb, Ti, Co, N, Cu, W & V.</p> <p>Nickel Alloys C, Si, Mn, P, S, Cr, Ni, Mo, Nb, Ti, Co, N, Cu, Fe, Al, Ta, B & V.</p> <p><u>Mechanical Tests</u></p> <p>Bend</p> <p>Hardness:</p> <p>Brinell (HBW-10/3000)</p> <p>Rockwell (C Scale)</p> <p>Vickers (HV10)</p> <p>Low load Hardness (Vickers HV0.5)</p>	<p>Documented In-House Method TP 63, using Optical Emission Spectrometry</p> <p>BS EN ISO 7438:2020</p> <p>BS EN ISO 6506-1:2014 ASTM E10-23</p> <p>BS EN ISO 6508-1:2023 ASTM E18-24</p> <p>BS EN ISO 6507-1:2023</p> <p>BS EN ISO 6507-1:2023 ASTM E384-22 Documented In-House Method TP74</p>



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<p>METALS, ALLOYS and METAL PRODUCTS (cont'd)</p>	<p><u>Mechanical Tests</u> (cont'd)</p> <p>Hardness: (cont'd)</p> <p>Micro Hardness (Knoop HK0.5)</p> <p>Impact:</p> <p>Izod Ambient Temperature</p> <p>Charpy (V notch) (Temperatures -196°C and -101°C to Ambient)</p> <p>Lateral Expansion</p> <p>Tensile (ambient temperature, forces 40 kN up to 1000 kN)</p> <p>Tensile (ambient temperature, forces up to 50 kN)</p>	<p>ASTM E384-22 Documented In-House Method TP71 Documented In-House Method TP74</p> <p>BS 131-1:1961(1996)</p> <p>BS EN ISO 148-1:2016 ASTM E23-24 ASTM A370-24</p> <p>BS EN ISO 148-1:2016 ASTM E23-18</p> <p>BS EN ISO 6892-1:2019 ASTM E8/E8M-24 ASTM A370-24 BS 4 A4 Part 1:1966 (withdrawn) BS EN 2002-1:2005</p> <p>BS EN ISO 6892-1:2019 ASTM E8/E8M-24 ASTM A370-24</p>



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METALS, ALLOYS and METAL PRODUCTS (cont'd) Weldments	<u>Mechanical Tests</u> (cont'd) Tests designated in specified welding codes as detailed below Bend, Fracture, Hardness, Impact, Tensile and Macro-Micro examination, Visual examination	BS 4871-3:1985 BS 4872-1:1982(2006) BS 4872-2:1976(2006) BS EN ISO 5817:2023 BS EN 287-1:2011 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 15614-8:2016 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 BCAR A8-10
END		