


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>4355</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>Sheffield Forgemasters Engineering Limited (Trading as RD Testing)</p> <p>Issue No: 016 Issue date: 17 November 2021</p>	
	<p>PO Box 286 Brightside Lane Sheffield South Yorkshire S9 2RW</p>	<p>Contact: Mr J Dobson Tel: +44 (0)114 251 9599 Fax: +44 (0)114 251 9011 E-Mail: jdobson@sfel.com Website: www.sheffieldforgemasters.com</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>Mechanical Tests</u></p> <p>Tensile test (ambient) (Forces up to 250kN)</p> <p>Impact: Charpy (U and V-notches) (-196°C to +250°C) Including % crystallinity and lateral expansion</p> <p>Pellini drop weight</p> <p><u>Fracture Toughness</u> (Temperature range from -180°C to 350°C)</p> <p>Fracture Toughness (CT Geometry – Single and Multi Specimen – CTOD, J1c and JR Curve)</p> <p>Fracture Toughness (CT Geometry – Reference Temperature T₀ determination)</p> <p><u>Hardness</u></p> <p>Brinell (5/750 HBW, 10/3000 HBW)</p> <p>Rockwell (B & C Scales)</p>	<p>BS EN ISO 6892-1:2019 ASTM A370-20 ASTM E8/E8M-21</p> <p>BS EN ISO 148-1:2016 ASTM E23-18</p> <p>ASTM E208-20</p> <p>ASTM E1820-20b</p> <p>ASTM E1921-21</p> <p>BS EN ISO 6506-1:2014 ASTM E10-18</p> <p>BS EN ISO 6508-1:2016 ASTM E18-20</p>



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Issue No: 016 Issue date: 17 November 2021

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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)	Hardness (cont'd) Vickers (HV10 & HV30) <u>Corrosion Tests</u> Ferric chloride pitting corrosion resistance <u>Metallurgical Tests</u> Volume fraction / ferrite count	BS EN ISO 6507-1:2018 ASTM E92-17 ASTM G48-11(2020)e1 Method A ASTM E562-19e1
END		