

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



0422

Accredited to
ISO/IEC 17025:2017

Jacobs Materials Testing and Research Laboratory part of Energy Safety and Risk Consultants (UK) Ltd

Issue No: 036 Issue date: 05 February 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
METALS, ALLOYS & METAL PRODUCTS & COMPONENTS	<p><u>Mechanical Test</u></p> <p>Fatigue tests:-</p> <p>Constant amplitude (low and high cycle) in the temperature range ambient to 650°C with:-</p> <p>(a) Strain control (b) Force control (Forces up to ± 100 kN)</p> <p>Fracture toughness:- (Temperature from -196°C to 600°C)</p> <p>J_{IC} , δ_{IC} (multiple specimen) J_R , δ_R curves (multiple specimen)</p> <p>Reference temperature (T_0) determination</p> <p>CTOD</p> <p>J_{IC} , δ_{IC} (single specimen) J_R , δ_R curves (single specimen)</p>	<p>a) BS 7270:2006 b) BS 3518-3:1963(1990)</p> <p>BS 7448-1:1991 ASTM E1820-18ae1 ESIS P2-92</p> <p>ASTM E1921-19b</p> <p>BS 7448-1:1991 ASTM E1820-18ae1</p> <p>BS 7448-4:1997 ASTM E1820-18ae1 ESIS P2-92</p>



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS, ALLOYS & METAL PRODUCTS & COMPONENTS (cont'd)	<u>Mechanical Test</u> (cont'd) Tensile tests in the temperature range -160°C to 750°C (Forces from 0.2kN to 100 kN) Proof loads (Forces 0.2 kN to 1000 kN) Creep and Rupture in the temperature range from ambient to 1000°C and ambient and non ambient atmospheres (Forces from 0.2kN to 50 kN) Creep crack propagation in the temperature range from ambient to 750°C (Forces from 0.2kN to 50 kN)	BS EN ISO 6892-1:2016 BS EN ISO 6892-2:2018 BS EN ISO 6892-3:2015 Documented In-house Method LWI/SI/142 Documented In-house Method LWI/SI/195 BS EN ISO 204:2018 Documented In-house Method LWI/SI/302
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