


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

| | | |
|---|---|---|
|  <p>7772</p> <p>Accredited to ISO/IEC 17025:2005</p> | Swansea Materials Research and Testing Limited (SMaRT) | |
| | Issue No: 005 Issue date: 21 December 2017 | Swansea University Bay Campus (ISM) Building Fabian Way, Crmlyn Burrows Swansea SA1 8EN United Kingdom |
| 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 and METAL PRODUCTS | <u>Mechanical Tests</u> Tensile: (Forces up to 100 kN) (Ambient temperature) (Forces up to 100 kN) (Temperature range ambient to 900 °C) Creep and Stress Rupture: Creep (Temperature range ambient to 1150 °C) (not including constant stress) Stress rupture (Temperature range ambient to 1150 °C) Fatigue: Low cycle, tensile/compressive and complex waveforms with Force control (Temperature range ambient to 1150 °C) (Forces up to ± 250 kN) | BS EN ISO 6892-1:2016 BS EN 2002-1:2005 BS EN ISO 6892-2:2011 BS EN 2002-2:2005 BS EN ISO 204:2009 BS EN 2002-005:2007 BS EN ISO 204:2009 BS EN 2002-005:2007 BS EN 6072:2010 |



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

Swansea Materials Research and Testing Limited (SMaRT)

Issue No: 005 Issue date: 09 June 2017

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) | <p><u>Mechanical Tests (cont'd)</u></p> <p>Fatigue (cont'd):</p> <p>High cycle, tensile/compressive and complex waveforms with Force control</p> <p>(Ambient temperature to 900 °C) (Forces up to ± 100 kN)</p> <p>Low cycle, tensile/compressive and complex waveforms with Strain control</p> <p>(Ambient Temperature to 900 °C) (Forces up to ± 100 kN)</p> <p>Fatigue Crack growth (Corner Crack by P.D. measurement)</p> <p>(Temperature range ambient to 900 °C)</p> | <p>BS EN 6072:2010</p> <p>BS 7270:2006</p> <p>BS ISO 12108:2012</p> |
| END | | |