

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



0088

Accredited to
ISO/IEC 17025:2017

TWI Limited

Issue No: 046 Issue date: 21 July 2021

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Testing performed by the Organisation at the locations specified

Locations covered by the organisation and their relevant activities

Laboratory locations:

| Location details | Activity | Location code |
|--|--|---|
| TWI Limited Research Laboratory Granta Park Great Abington Cambridge CB21 6AL | Balbir Sagoo Tel: +44 (0)1223 899000 Fax: +44 (0)1223 892588 E-Mail: balbir.sagoo@twi.co.uk | Metals & Weldments - Mechanical tests A |



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DETAIL OF ACCREDITATION

TWI Limited is accredited for Flexible Scope enabling new versions of existing accredited standard test methods and technically equivalent standard test methods to be introduced in accordance with documented in-house procedure UKAS Quality Policy Guidelines UKAS ACCREDITED TESTS Rev2 12 April 2019

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|--|--|---|---------------|
| METALS and ALLOYS either as PARENT METAL, FABRICATED STRUCTURES OR WELDMENTS | <u>Mechanical Tests</u> | | |
| | Fatigue crack growth measurement (Crack growth rates above 10^{-8} m/cycle) | BS ISO 12108 Documented In-House Method SI/FAT/P/2 | A |
| | Pellini drop weight | ASTM E208 | A |
| | Fracture toughness (Temperature range -196°C to 450°C) | BS 7448-1 BS 7448-4 BS EN ISO 15653 ISO 12135 ISO 12135 ASTM E1820 | A |
| | Hardness: Vickers hardness HV5, HV10 and HV30 | BS EN ISO 6507-1 | A |
| | Tensile: Tensile (T = Ambient) (Forces 0.1 kN to 600 kN) | BS EN ISO 6892-1 ASTM E8/E8M ASTM A370 | A |
| WELDMENTS | Impact: Charpy V-notch & U-Notch (Temperature range -196 °C and -180 °C to 350 °C) | BS EN ISO 148-1 ASTM E23 | A |
| | Mechanical Tests: Impact, Tensile and Quasistatic Fracture Toughness | BS EN ISO 9016 BS EN ISO 4136 BS EN ISO 5178 BS EN ISO 15653 | A |
| END | | | |