

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 0090 Accredited to ISO/IEC 17025:2017	Timet UK Ltd	
	Issue No: 044 Issue date: 05 March 2021	
	PO Box 704 Witton Birmingham West Midlands B6 7UR	Contact: Alan Richards Tel: +44 (0) 121 332 5312 E-Mail: alan.richards@timet.com Website: www.timet.com
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Location Address Timet UK Ltd No. 1 Plant Holford Drive Birmingham West Midlands B42 2TU	Local contact Alan Richards Tel: +44 (0)121 332 5312 Email: alan.richards@timet.com Website: www.timet.com	Metals, Alloys and Metal Products - Mechanical tests Metals, Alloys and Metal Products – Chemical tests No.1 Plant
Location Address Timet UK Ltd No. 3 Plant off Holford Drive Birmingham West Midlands B6 7AX	Local contact Alan Richards Tel: +44 (0)121 332 5312 Email: alan.richards@timet.com Website: www.timet.com	Metals, Alloys and Metal Products – Metallurgical Tests No.3 Plant



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
METALS, ALLOYS and METAL PRODUCTS	<u>Mechanical Tests</u>		
	Tensile: Ambient temperature (Forces up to 500 kN)	BS EN 2002-1:2005 BS EN ISO 6892-1:2016 ASTM E8/E8M16a	No.1 Plant
	Tensile at Elevated temperatures up to 1000°C (Forces up to 100 kN)	BS EN 2002-2:2005 BS EN ISO 6892-2:2018 ASTM E21-17	No.1 Plant
	Creep	BS EN 2002-5:2007 BS EN ISO 204:2018 ASTM E139-11	No.1 Plant
	Stress rupture	BS EN 2002-5:2007 BS EN ISO 204:2018 ASTM E139-11 ASTM E292-18	No.1 Plant
	High cycle direct stress fatigue (Ambient temperature only)	BS 3518:Part 3:1963(1990) ASTM E466-15	No.1 Plant
	Fracture toughness K _{1c} (Ambient temperature only)	ASTM E399-17	No.1 Plant
	Hardness: Brinell 5mm ball/750 kg 10mm ball/3000kg	BS EN ISO 6506-1:2014	No.1 Plant
Vickers (HV 30)	BS EN ISO 6507-1:2018	No.1 Plant	
TITANIUM ALLOYS	<u>Metallurgical Tests</u>		
	Determination of beta transus and approach curve using automatic image analysis to determine the alpha content	ASTM E1245:03(2016)	No.3 Plant
	Macrostructural examination	Documented In-House Method OP/L/13	No.3 Plant



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TITANIUM ALLOYS	<u>Metallurgical Tests</u> Microstructural examination	Documented In-House Method OP/L/15	No.3 Plant
TITANIUM and Titanium Alloys	<u>Chemical Tests</u> Aluminium Copper Iron Niobium Molybdenum Silicon Tin Vanadium Zirconium <u>Aluminium</u> <u>Boron</u> <u>Chromium</u> <u>Cobalt</u> <u>Copper</u> <u>Iron</u> <u>Manganese</u> <u>Molybdenum</u> <u>Niobium</u> <u>Nickel</u> <u>Palladium</u> <u>Silicon</u> <u>Tantalum</u> <u>Tin</u> <u>Tungsten</u> <u>Vanadium</u> <u>Yttrium</u> <u>Zirconium</u>	Documented In-House Method OP/CA/22 using X-ray fluorescence techniques. Conforms to ASTM E539-11 Documented In-House Method and OP/CA/31 using ICP/AES techniques Conforms to ASTM E2371-13	No.1 Plant



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TITANIUM and Titanium Alloys (cont'd)	<u>Chemical Tests</u> (cont'd)		No.1 Plant
	Hydrogen	Documented In-House Method SOP/CA/30 and SOP/CA/42 Conforms to ASTM E1447-09(2016)	No.1 Plant
	Nitrogen and Oxygen	Documented In-House Method OP/CA/25 using Inert Gas Fusion Techniques Conforms to ASTM E1409-13	No.1 Plant
	Carbon	Documented In-House Methods SOP/CA/01, Combustion/IR Measurement techniques Conforms to ASTM E1941-10(2016)	No.1 Plant
END			