

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 7858 Accredited to ISO/IEC 17025:2017	Metaltech Services Limited	
	Issue No: 025 Issue date: 22 September 2025	
	Unit BT1/433 Station Approach Team Valley Trading Estate Gateshead NE11 0ZF United Kingdom	Contact: Louise Scott Tel: +44(0)191 3726942 E-Mail: ls@msl-ltd.com Website: www.msl-ltd.com
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
Address Unit BT1/433 Station Approach Team Valley Trading Estate GATESHEAD NE11 0ZF United Kingdom	Local contact Contact: Louise Scott Tel: +44(0)191 3726942 E-Mail: ls@msl-ltd.com	Metals & Weldments - Chemical tests Metals & Weldments - Corrosion tests Metals & Weldments – Mechanical tests Metals & Weldments - Metallurgical tests GAT

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Commercial and industrial premises and sites	Categorisation of alloys (Positive Material Identification)	C&I



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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>Chemical Analysis</u>		
Stainless Steels	Elemental analysis Elements C, Si, Mn, P, S, Cr, Mo, Ni, Cu, Al, V, Nb, Co, & W	Documented In-House Method TEINST 19 using Optical Emission Spectrometry	GAT
Low Alloy Carbon Steels	Elemental analysis Elements C, Si, Mn, P, S, Cr, Mo, Ni, Cu, Al, V, Nb, & B	Documented In-House Method TEINST 19 using Optical Emission Spectrometry	GAT
Steel, stainless steel, Nickel alloys, Titanium alloys, Copper alloys and Aluminium alloys	Categorisation of alloys (Positive Material Identification)	Documented In-House Method TEINST 20 using XRF Niton X1.2 Analyser	GAT C&I
	<u>Corrosion Tests</u>		
Stainless Steels	Susceptibility to Intergranular Corrosion	ASTM A262-15(2021) Method B	GAT
	Pitting Corrosion resistance	ASTM G48-11 (2020)e1 Method A	GAT
Nickel alloys	Susceptibility to Intergranular Corrosion	ASTM G28: 2024 Method A	GAT
	<u>Mechanical Tests</u>		
	Bend	BS EN ISO 7438:2020 ASTM E290-22 ASTM A370-24a	GAT



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
METALS, ALLOYS and METAL PRODUCTS (cont'd)	<u>Mechanical Tests</u> (cont'd)		
	<u>Hardness:</u>		
	Brinell (HB 10/3000)	BS EN ISO 6506-1:2014 ASTM E10-23	GAT
	Rockwell (C Scale)	BS EN ISO 6508-1:2023 ASTM E18-24	GAT
	Vickers (Hv10)	BS EN ISO 6507-1:2023 ASTM E92-23	GAT
	Vickers Micro / Low force (Hv0.3, 0.5 & Hv1.0)	BS EN ISO 6507-1:2023 ASTM E384-22	GAT
	<u>Impact:</u>		
	Charpy at -80°C to ambient temperature	ASTM E23- 25 ASTM A370-24a BS EN ISO 148-1:2016	GAT
	Izod	BS 131-1: 1961 (2007)	GAT
	<u>Tensile:</u>		
	Ambient Temperature (Forces from 5kN to 1200 kN)	BS EN ISO 6892-1:2019 ASTM E8/E8M-24 ASTM A370-24a	GAT
	Temperatures ambient to 300° C (Forces from 2kN to 200 kN)	BS EN ISO 6892-2 2018 (Method A) ASTM E21-20	GAT
	<u>Metallurgical Tests:</u>		
Grain size (by comparison and intercept methods)	ASTM E112- 24 BS EN ISO 643:2024	GAT	
Volume fraction	ASTM E562-19e1	GAT	



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METALS, ALLOYS and METAL PRODUCTS (cont'd)	<u>Metallurgical Tests</u> (cont'd)		
	Graphite in Iron	ASTM A247-24	GAT
		ASTM E2567-16a(2023)	
	Inclusion Content	ASTM E45-25Methods A & D	GAT
	Case Depth	BS EN ISO 18203:2022	GAT
	Decarburisation (Metallographic method)	ASTM E1077-14(2021)	GAT
	Jominy (Hardenability)	BS EN ISO 642:2024 ASTM A255-20a	GAT
Weldments	Bend, Fracture, Hardness, Impact, Tensile, and Macro examination in accordance with specific welding codes	BS EN ISO 5178:2019 BS EN ISO 4136:2022 BS EN ISO 5173:2023 BS EN ISO 5817 :2023 BS EN ISO 9015-1:2011 BS EN ISO 9016 :2022 BS EN ISO 9017:2018 BS EN ISO 17639:2022 BS EN ISO 9606-1:2017 BS EN ISO 9606-2 : 2004 BS EN ISO 15614-1: 2017 +A1 :2019 BS EN ISO 15614-2 : 2005 BS EN ISO 10042 : 2018 ASME IX:2025 API 1104 22 nd Edition 2021+ Errata 1 AWS D1.1/D1.1M 25 th Edition :2025 AWS D1.2/D1.2M: 6 th Edition 2014 (including Errata May 2020)	GAT
END			