

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 0963 Accredited to ISO/IEC 17025:2017	Metals Technology (Testing) Limited Issue No: 047 Issue date: 22 September 2026 <table border="1"> <tr> <td data-bbox="395 450 842 678"> 6 Finchwell Close Handsworth Sheffield South Yorkshire S13 9DF </td><td data-bbox="842 450 1493 678"> Contact: Mr M Collier Tel: +44 (0)114-2437271 Fax: +44 (0)114-2437288 E-Mail: office@mttesting.com Website: www.mttesting.com </td></tr> </table>	6 Finchwell Close Handsworth Sheffield South Yorkshire S13 9DF	Contact: Mr M Collier Tel: +44 (0)114-2437271 Fax: +44 (0)114-2437288 E-Mail: office@mttesting.com Website: www.mttesting.com
6 Finchwell Close Handsworth Sheffield South Yorkshire S13 9DF	Contact: Mr M Collier Tel: +44 (0)114-2437271 Fax: +44 (0)114-2437288 E-Mail: office@mttesting.com Website: www.mttesting.com		
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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS, ALLOYS and METAL PRODUCTS Ferrous and Non-ferrous alloys including: Stainless Steel Manganese Steel Tool Steel Low Alloy Steel Free Cutting Steel Cast Irons Chrome Hard Alloyed Irons Ni-Resist Alloyed Irons Nickel Based Alloys	<u>Chemical Analysis</u> <u>Elemental Analysis</u> C, Si, Mn, P, S, Cr, Mo, Ni, Cu, Al, As, B, Co, Nb, Pb, Sn, Ti, V, W, N, Ta C, Si, Mn, P, S, Cr, Mo, Ni, Al, Co, Cu, Nb, Ti, V, Sn, N C, Si, Mn, P, S, Cr, Mo, Ni, Al, Co, Cu, Ti, V, W, Sn As C, Si, Mn, P, S, Cr, Mo, Ni, Cu, Al, As, B, Co, Nb, Sn, Ti, V, W, N, Ca, Zr, Sb, Pb C, Si, Mn, P, S, Cr, Mo, Ni, Cu, Al, Co, V, W, N C, Si, Mn, P, S, Cr, Mo, Ni, Cu, Al, As, B, Bi, Ca, Ce, Co, Mg, Nb, Pb, Sb, Se, Sn, Ti, V, W, Zn, Zr C, Si, Mn, P, S, Cr, Mo, Ni, Al, Co, Cu, Ti, V C, Si, Mn, P, S, Cr, Mo, Ni, Cu, Nb, Mg, Ce C, Si, Mn, P, S, Cr, Fe, Mo, V, Cu, W, Co, Nb, Al, Ti, Zr, B, Ni	Documented In-House Methods using direct reading emission spectroscopy (OES) OES Procedure 113 Rev 5 OES Procedure 113 Rev 5 OES Procedure 113 Rev 5 OES Procedure 113 Rev 5 OES Procedure 113 Rev 5 OES Procedure 113 Rev 5 OES Procedure 113 Rev 5 OES Procedure 113 Rev 5 OES Procedure 113 Rev 5



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METALS, ALLOYS and METAL PRODUCTS (cont'd)	<u>Elemental Analysis</u>	
Cobalt Alloys	C, Si, Mn, P, S, Cr, Mo, Ni, Al, Cu, Fe, Nb, W, Co	OES Procedure 113 Rev 5
Copper Based Alloys	Sn, Zn, Fe, Ni, Al, Si, As, Mn, Bi, Sb, P, Cr, S, Mg, Pb, Co, Ag, C, Cu	OES Procedure 113 Rev 5
Aluminium Alloys	Cu, Mg, Si, Fe, Mn, Ni, Zn, Pb, Sn, Ti, Cr, Zr, Al	OES Procedure 113 Rev 5
Ferrous and Non-ferrous metals and alloys	<u>Mechanical Tests</u>	
	Tensile (ambient temperature) (forces 1 kN to 500 kN)	BS EN ISO 6892-1: 2019 ASTM E8/E8M-25 ASTM A370-26
	Tensile (temperatures up to 650°C) (forces 10 kN to 500 kN)	BS EN ISO 6892-2:2018 ASTM E21-20
	Impact: Charpy 'V' & 'U' notch (-196°C and -80°C to ambient) Lateral expansion and % Shear	BS EN ISO 148-1:2016 ASTM E23-25 ASTM A370-26 ASTM A923-25 Method B
	Izod	BS 131:Part 1:1961(Incorporating Amendments Nos. 1 & 2)
	Bend	BS EN ISO 7438:2020



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METALS, ALLOYS and METAL PRODUCTS (cont'd)	<u>Mechanical Tests</u> (cont'd)	
Ferrous and Non-ferrous metals and alloys (cont'd)	Hardness:	
	Brinell HBW (10/3000)	BS EN ISO 6506-1:2014 ASTM E10-23 ASTM A370-26
	Rockwell (B & C)	BS EN ISO 6508-1:2023 ASTM E18-25 ASTM A370-26
	Vickers (HV10 & HV30)	BS EN ISO 6507-1:2023
	<u>Metallurgical Tests</u>	
	Grain size (Comparison & Linear Intercept Methods)	ASTM E112-25 BS EN ISO 643:2024 ASTM E1181-02(2023) ISO 14250: 2000 ASTM E930-18
	Decarburisation depth by microscopical methods	ASTM E1077-14(2021)
	Inclusion content	ASTM E45-25 ISO 4967:2013 (Superceded/Withdrawn)
	Macro-etch examination	ASTM E381-22 ASTM A604/A604M-07(2022) API 6ACRA 2 nd Edition 2025
	Sulphur print	ASTM E1180-08(2021)
	Sodium Hydroxide Etch Test	ASTM A923-25 Method A
	Volume fraction	ASTM E562-19e1
	<u>Corrosion Tests</u>	
Stainless Steels	Pitting and crevice corrosion resistance	ASTM G48-25 (Methods A & B)
	Intracrystalline corrosion	ASTM A262-15(2021) Methods A, B, C & E



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METALS, ALLOYS and METAL PRODUCTS (cont'd)	<u>Corrosion Tests</u> (cont'd)	
Stainless Steels (cont'd)	Detecting Detrimental Intermetallic Phases (Duplex stainless steels)	ASTM A923-25, Method C
	Intergranular corrosion	BS EN ISO 3651-1:1998 BS EN ISO 3651-2:1998 - Method A, B & C
Nickel Alloys	Intergranular corrosion	BS EN ISO 9400:1996 - Method A, B, C and D ASTM G28-24 Method A
FERROUS and NON-FERROUS CASTINGS, FORGINGS, PLATE, WELDMENTS	Mechanical and Metallurgical Tests	
	Tests designated in specified welding codes as detailed below: Bend, Hardness, Impact, Tensile, Macro-examination	BS EN ISO 17637:2016 BS EN ISO 17639:2022 BS EN ISO 4136:2022 BS EN ISO 5173:2023 BS EN ISO 5178:2019 BS EN ISO 9015-1:2011 BS EN ISO 9016:2022 BS 4872-1:1982 BS 4872-2:1976 BS EN ISO 9606-1:2017 BS EN ISO 15614-1:2017+A1:2019 ASME IX:2025
END		