

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>0144</b> Accredited to ISO/IEC 17025:2017	<b>Castings Technology International Limited</b>	
	Issue No: 068    Issue date: 12 March 2024	
	<b>Advanced Manufacturing Park</b> Brunel Way Rotherham South Yorkshire S60 5WG	<b>Contact: Noor Chowdhury</b> Tel: +44 (0)1142 158300 Fax: +44 (0)1142 880010 E-Mail: n.chowdhury@castingstechnology.com Website: www.castingstechnology.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
<b>Address</b> Advanced Manufacturing Park Brunel Way Rotherham South Yorkshire S60 5WG	<b>Local contact</b> N Chowdhury  Tel: +44 (0)114 2158300 Fax: +44 (0)114 2880010	SUPPORT FUNCTIONS: QUALITY SYSTEM QUALITY AUDIT ADMINISTRATION  SAMPLING AND TESTING: ENGINEERING MATERIALS, MACHINERY, STRUCTURES & PRODUCTS METALS & WELDMENTS - CHEMICAL & PHYSICAL CARBON/ SULPHUR/ OXYGEN/ NITROGEN ELEMENTAL ANALYSIS METALLURGICAL  TESTING: METALS & WELDMENTS NDT (Radiography / Visual / MPI / Dye Penetrant	A



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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 & WELDMENTS			
METALS and ALLOYS	<u>Metallography</u>		
Castings	Macrostructure examination	Documented In-House Method OP002	A
	Microstructure examination	Documented In-House Method OP003	A
	Determination of surface features including fracture surfaces at magnifications of X10 to X2000	Documented In-House Method OP002 ASM Metals Handbook Vol. 11 9th Edition Customer reference documents	A
	Volume fraction manual point count method	ASTM E562-19	A
	Inclusion or Second-Phase Constituent Content of Metals by Automatic Image Analysis	ASTM E1245-03(16)	A
	Non-metallic Inclusion content	BS 7926:1998 (2014)	A
Titanium Alloys	Alpha case determination (Microscopic Method)	BS EN 2003-009:2007 (Method A), Documented In-House Method OP056	A
Steel Castings	<u>Elemental Analysis</u>		
	Nitrogen, Oxygen and Hydrogen determination in Steels and Titanium	Documented In-House Method OP 040 using Eltra ONH 2000 inert gas fusion techniques	A
	Carbon and sulphur determination in steels and Titanium alloys	Documented In-House Method OP 040 using Eltra CS 800 inert gas fusion techniques	A
Plain Carbon, Low Alloy and Stainless Steels Cast Irons	Fe, C, Si, Mn, P, S, Cr, Mo, Ni, Al, As, B, Bi, Ca, Ce, Co, Cu, La, Mg, Nb, Pb, Sb, Sn, Ta, Ti, V, W, Zn, Zr, N <sub>2</sub>	Documented In-House Method OP 040 using Spectro Max optical emission spectrometry techniques	A



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METALS and ALLOYS (cont'd)	<u>Elemental Analysis (cont'd)</u>		
Aluminium Base Alloys	Al, Cu, Mg, Si, Fe, Mn, Ni, Zn, Pb, Sn, Ti, Cr, V, P, Ag, B, Sr, Zr, Mg, Ba, Be, Bi, Ca, Cd, Ce, Co, Ga, In, Li, Na, Sb	Documented In-House Method OP 040 using Spectro Max OES techniques	A
Titanium Base Alloys	Al, Cr, Cu, Fe, Mn, Mo, Nb, Ni, Pd, Si, Sn, Ti, V, Zr, C	Documented In-House Method OP 040 using Spectro Max OES techniques	A
METALS and ALLOYS Castings, Forgings and Weldments	<u>Non-Destructive Tests</u>		
	Radiography: X-ray up to 320keV	ASTM E94-17, ASTM E1742-18 Documented In-House Method OP 410	A
	Magnetic Particle Inspection	BS EN 9934-1:2016 ASTM E1444-16 ASTM E709-15 Documented In-House Method OP 430	A
	Colour contrast dye penetrant	BS EN ISO 3452:2013 ASTM E1417-16 ASTM E165-18 Documented In-House Method OP 420	A
	Fluorescent dye penetrant	BS EN ISO 3452:2013 ASTM E1417-16 ASTM E165-18 Documented In-House Method OP 422	A

END