


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>UKAS</b> TESTING</p> <p>9667</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p><b>Shiftec Laboratories</b> <b>a division of Shiftec (Willenhall) Limited</b></p> <p>Issue No: 011    Issue date: 07 June 2022</p>	
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<p><b>Testing performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS, ALLOYS and METAL PRODUCTS	<u>Elemental Tests</u>	
Low alloy steels	C, Si, Mn, P, S, Cr, Mo, Ni, Al, Co, Cu, Nb, Pb, Sn, Ti, V, W, B, N <sub>2</sub>	Documented In-House Methods CP1 to CP7 using spark source optical emission spectrometry
Stainless Steel	C, Si, Mn, P, S, Cr, Mo, Ni, Al, Co, Cu, Nb, Pb, Sn, Ti, V, W, B, N <sub>2</sub>	Documented In-House Methods CP1 to CP7 using spark source optical emission spectrometry
Free Cutting Steel	C, Si, Mn, P, S, Cr, Mo, Ni, Al, Co, Cu, Nb, Pb, Sn, Ti, V, W, B, N <sub>2</sub>	Documented In-House Methods CP1 to CP7 using spark source optical emission spectrometry
Cast Iron	C, Si, Mn, Mg, P, S, Cr, Mo, Ni, Al, Co, Cu, Nb, Pb, Sn, Ti, V, W, B	Documented In-House Methods CP1 to CP7 using spark source optical emission spectrometry
Aluminium alloys	Cu, Si, Mn, Cr, Ni, Pb, Mg, Co, Fe, Sn, Ti, V, Zn	Documented In-House Methods CP1 to CP7 using spark source optical emission spectrometry
Copper alloys	Si, Mn, Mg, Cr, P, S, Ni, Al, Fe, Pb, Sn, Zn	Documented In-House Methods CP1 to CP7 using spark source optical emission spectrometry
Nickel alloys	C, Si, Mn, P, S, Cr, Mo, Fe, W, Cu, Al, Co, Nb, Ti	Documented In-House Methods CP1 to CP7 using spark source optical emission spectrometry



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS, ALLOYS and METAL PRODUCTS (cont'd)	<u>Mechanical Tests</u>  Izod  <u>Impact:</u> Charpy (V-notch) (Temperature -196°C and -101°C to ambient)  Lateral expansion  <u>Hardness:</u> Vickers (HV5, HV10 and HV30)  Brinell (5/750 and 10/3000)  Rockwell (B and C Scales)  <u>Tensile:</u> Tensile (ambient temperature) (Force from 0.16kN to 1000kN)	BS 131-1:1961  BS EN ISO 148-1:2016 ASTM E23-18 ASTM A370-21  ASTM E23-18 ASTM A370-21  BS EN ISO 6507-1:2018  BS EN ISO 6506-1:2014 ASTM E10-18  BS EN ISO 6508-1:2016 ASTM E18-20  BS EN ISO 6892-1:2019 ASTM E8/E8M-21 ASTM A370- 21
END		