


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>UKAS TESTING 0086</p> <p>Accredited to ISO/IEC 17025:2005</p>	<p>Firth Rixson Metals Ltd</p> <p>Issue No: 026 Issue date: 26 April 2012</p>	
	<p>Shepley Street Glossop Derbyshire SK13 7SA</p>	<p>Contact: Mrs G Glaves-Robinson Tel: +44 (0)114 219 4156 Fax: +44 (0)114 219 1145 E-Mail: gglaves-robinson@firthrixson.com Website: www.firthrixson.com</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>METALS AND ALLOYS: FERROUS and NON-FERROUS Nickel, iron and cobalt based alloys</p>	<p><u>Chemical Tests</u></p> <p>Determination of aluminium, cerium, cobalt, copper, chromium, hafnium, iron, manganese, molybdenum, nickel, niobium, phosphorus, platinum, rhenium, silicon, tantalum, titanium, tungsten, vanadium, yttrium and zirconium</p>	<p>Documented In-House Methods:</p> <p>FRS 134 (X-ray fluorescence spectrometry - wavelength dispersive)</p>
	<p>Determination of antimony, arsenic, bismuth, cadmium, calcium, gallium, indium, lead, selenium, silver, tellurium, thallium, tin and zinc</p>	<p>FRS 138 (Hollow cathode optical emission spectrography)</p>
	<p>Carbon and sulphur</p>	<p>FRS 135 and FRS 135A (combustion/infra-red absorption)</p>
	<p>Oxygen and nitrogen</p>	<p>FRS 136 (combustion/thermal conductivity/infra-red absorption)</p>
	<p>Boron</p>	<p>TM 142 (glow discharge spectrometry)</p>



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS AND ALLOYS: FERROUS and NON-FERROUS Nickel, iron and cobalt based alloys (Cont'd)	<u>Chemical Tests (Cont'd)</u> Determination of Boron, Magnesium, Sulphur, Calcium, Zinc, Gallium, Arsenic, Selenium, Zirconium, Silver, Cadmium, Indium, Tin, Antimony, Tellurium, Thallium, Lead, Bismuth, Silicon, Phosphorus, Titanium, Vanadium Manganese, Copper, Molybdenum, Lanthanum, Cerium, Tantalum	Documented In-House Methods: JI-140 (Glow Discharge Mass Spectrometry)
Nickel, iron and cobalt based superalloys Titanium alloys	<u>Mechanical Tests</u> Hardness testing Brinell hardness HB 1/30 Vickers hardness HV 30 Rockwell hardness HRC	BS EN ISO 6506-1:2005 ASTM E10-10 BS EN ISO 6507-1:2005 BS EN ISO 6508-1:2005 ASTM E18-08b
END		