


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 0086 Accredited to ISO/IEC 17025:2017	Firth Rixson Metals Ltd	
	Issue No: 042 Issue date: 01 July 2024	
	Shepley Street Glossop Derbyshire SK13 7SA	Contact: Ben Sharp Tel: +44 (0)114 219 3927 E-Mail: Ben.sharp@howmet.com Website: www.howmet.com/firthrixson/
Testing performed at the above address only		

DETAIL OF ACCREDITATION

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	<u>Elemental Analysis</u> Carbon and Sulphur Oxygen and Nitrogen	Documented In-House Methods JI-230 (combustion/infra-red absorption) Documented In-House Method JI 142 and JI 367 (combustion/thermal conductivity/infra-red absorption)
Nickel, Iron and Cobalt-based alloys	Aluminium Cerium Cobalt Copper Chromium Hafnium Iron Manganese Molybdenum Nickel Niobium Phosphorus Platinum Rhenium Silicon Tantalum Titanium Tungsten Vanadium Yttrium Zirconium	Documented In-House Method JI-209 (X-ray fluorescence spectrometry - wavelength dispersive)



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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 (Cont'd) Nickel, iron and Cobalt-based alloys (Cont'd)	<u>Elemental Analysis (cont'd)</u> Silicon Manganese Phosphorus Sulphur Molybdenum Silver Arsenic Gold Boron Bismuth Calcium Cadmium Cerium Copper Gallium Germanium Mercury Indium Palladium Potassium Lanthanum Magnesium Sodium Lead Antimony Selenium Tin Tantalum Tellurium Thorium Titanium Thallium Uranium Vanadium Zinc Zirconium	Documented In-House Method JI-140 (Glow Discharge Mass Spectrometry)



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METALS AND ALLOYS: FERROUS and NON-FERROUS (cont'd) Nickel Base alloys	<u>Elemental Analysis (cont'd)</u> Carbon Silicon Manganese Phosphorus Sulphur Aluminium Boron Cobalt Chromium Calcium Copper Iron Molybdenum Niobium Nickel Tin Tantalum Titanium Vanadium Tungsten Hafnium Magnesium Palladium Platinum Rhenium Zirconium Ruthenium	Documented In-House Method JI-484 (Spark Optical Emission Spectrometry)



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METALS AND ALLOYS: FERROUS and NON-FERROUS (Cont'd)	<u>Elemental Analysis (cont'd)</u>	
Cobalt Base alloys	Carbon Silicon Manganese Phosphorus Sulphur Aluminium Boron Cobalt Chromium Copper Iron Molybdenum Niobium Nickel Tin Tantalum Titanium Vanadium Tungsten	Documented In-House Method JI-484 (Spark Optical Emission Spectrometry)
Nickel, Iron and Cobalt-based superalloys, Titanium alloys	<u>Mechanical Tests</u> Hardness testing Rockwell hardness HRC	BS EN ISO 6508-1:2016 ASTM E18-22
END		