

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>Accredited to ISO/IEC 17025:2005</p>	Mettis Aerospace Ltd.	
	Issue No: 004 Issue date: 05 July 2018	
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Testing performed at the above address only		

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
TITANIUM ALLOYS	<u>Chemical Analysis</u>	
	Determination of Hydrogen (Inert Gas fusion Method)	ASTM E1447-09 (2016)
ALUMINIUM ALLOYS	<u>Corrosion Tests</u>	
	Intergranular corrosion	ASTM G110-92 (2015)
METALS, ALLOYS and METAL PRODUCTS	<u>Mechanical Tests</u>	
	Bend Test	BS EN ISO 7438:2016 MSRR 8610 (Appendix 1) Issue 10 MSRR 8611 Issue 7 MSRR 8648 Issue 4 MSRR 8612 Issue 4 ITN 07763.47/A rev 1: March 1996
	Tensile Testing - Ambient temperature (Forces up to 1000 kN)	BS EN ISO 6892-1:2016 BS EN 2002-1:2005 ASTM E8/E8M-16a ASTM B557-15 ASTM A370-17a
	Izod Impact testing	BS 131 Part 1:1961 (2007)
	Fracture toughness (K_{Ic} & J_c)	ASTM E399-17 ASTM B645-10 (2015) ASTM B646-17 BS 7448-1:1991 BS EN ISO 12737:2010 (Withdrawn)



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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>Metallurgical Tests</u>	
	Depth of Decarburisation	ASTM E1077-14 BS EN ISO 3887: 2018
	Macrostructure (Grain Delineation and Grain Flow)	Documented in house method LI97
	Grain size (Comparison and Intercept Method)	ASTM E112-13 ASTM E1382-97 (2015)
ALUMINIUM ALLOYS	Overheat / Eutectic Melting	Documented in house method LI83
TITANIUM ALLOYS	Alpha Case Check	Documented in house method LI99
END		