


# 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>8315</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p><b>Mettis Aerospace Ltd T/A Mettis Group.</b></p> <p>Issue No: 008      Issue date: 24 March 2021</p>	
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<p>Testing performed at the above address only</p>		

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
TITANIUM ALLOYS	<p><u>Chemical Analysis</u></p> <p>Determination of Hydrogen (Inert Gas fusion Method)</p>	ASTM E1447-09 (2016)
ALUMINIUM ALLOYS	<p><u>Corrosion Tests</u></p> <p>Intergranular corrosion</p>	ASTM G110-92 (2015)
METALS, ALLOYS and METAL PRODUCTS	<p><u>Mechanical Tests</u></p> <p>Bend Test</p> <p>Tensile Testing - Ambient temperature (Forces up to 1000 kN)</p> <p>Izod Impact testing</p> <p>Charpy Impact (ambient Temperature) V-notch and U-Notch</p> <p>Fracture toughness (<math>K_{IC}</math> &amp; <math>J_C</math>)</p>	<p>BS EN ISO 7438:2020 MSRR 8610 (Appendix 1) Issue 10 MSRR 8611 Issue 8 MSRR 8648 Issue 4 MSRR 8612 Issue 4</p> <p>BS EN ISO 6892-1:2019 BS EN 2002-1:2005 ASTM E8/E8M-21 ASTM B557-15 ASTM A370-20</p> <p>BS 131 Part 1:1961 (2007)</p> <p>BS EN ISO 148-1:2016</p> <p>ASTM E399-20a ASTM B645-10 (2015) ASTM B646-19 BS 7448-1:1991 BS EN ISO 12737:2010 (Withdrawn)</p>



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Issue No: 008 Issue date: 24 March 2021

Testing performed at main address only

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		