

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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



8315

Accredited to  
ISO/IEC 17025:2017

### Mettis Aerospace Ltd.

Issue No: 006

Issue date: 12 June 2020

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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 PR8315ODUCTS	<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
	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 A370-19
	Izod Impact testing	BS 131 Part 1:1961 (2007)
	Charpy Impact (ambient Temperature) V-notch and U-Notch	BS EN ISO 148-1:2016
	Fracture toughness ( $K_{1c}$ & $J_c$ )	ASTM E399-17 ASTM B645-10 (2015) ASTM B646-17 BS 7448-1:1991 BS EN ISO 12737:2010 (Withdrawn)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		