


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS TESTING</p> <p>2756</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>Marshall of Cambridge Aerospace Ltd</p> <p>Issue No: 015 Issue date: 11 January 2021</p>	
	<p>The Airport Cambridge CB5 8RX</p>	<p>Contact: Mr D Wichard Tel: +44 (0)1223 373069 Fax: +44 (0)1223 373595 E-Mail: david.wichard@marshallaerospace.com Website: www.marshallaerospace.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
AEROSPACE EQUIPMENT, AEROSPACE STRUCTURES and STRUCTURAL COMPONENTS.	<p><u>Mechanical Tests</u></p> <p>1. Custom Built Rigs for Individual test specimens</p> <p>a) Single and multi-channel static loading Forces 1kN to 400kN (90,000 lbf)</p> <p>b) Single and multi-channel fatigue loading Forces 1kN to 400kN (90,000 lbf)</p>	<p>Documented in-house procedures and plans and specifications as agreed with clients</p> <p>Documented in-house procedures and plans and specifications as agreed with clients</p>
AEROSPACE MATERIALS, AEROSPACE STRUCTURES, COMPOSITE MATERIALS, STRUCTURES and STRUCTURAL COMPONENTS	<p>3. Test Machines</p> <p>Static Tensile & Compressive tests at ambient conditions Forces 1kN to 500kN (112,000 lbf)</p> <p>Static Tensile & Compressive tests Forces 1kN to 100kN (22,480 lbf) Temperature -40°C to 120°C</p> <p>Low Cycle fatigue, tensile/compressive and complex waveforms with: (a) displacement control (b) force control</p> <p>Forces 1kN to 100kN (22,480 lbf) Temperature -40°C to 120°C</p>	<p>Documented in-house procedures and plans and specifications as agreed with clients</p> <p>Documented in-house procedures and plans and specifications as agreed with clients</p> <p>BS 3518-1:1993 Documented in-house procedures and plans and specifications as agreed with clients</p>



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	Tensile Shear - Single lap shear (temperatures from -40°C to 80°C)	Documented in-house procedures and plans and specifications as agreed with clients
AEROSPACE STRUCTURES, MATERIALS and EQUIPMENT, AGRICULTURAL EQUIPMENT, COMPUTERS AND PERIPHERALS, CONSTRUCTION PLANT, EQUIPMENT, PRODUCTS and MATERIALS, DOMESTIC APPLIANCES, ELECTRICAL & ELECTRONIC COMPONENTS, CONNECTORS AND PRODUCTS, ELECTRO-MECHANICAL DEVICES, FIRE FIGHTING AND DETECTION EQUIPMENT, HYDRAULIC EQUIPMENT AND FITTINGS, MARINE EQUIPMENT, MECHANICAL PRODUCTS and PLANT, MOTOR VEHICLE ACCESSORIES and COMPONENTS, OFFICE EQUIPMENT, PACKAGES and PACKAGING MATERIAL, PLASTICS and PLASTIC PRODUCTS, PRESSURE VESSELS, RADAR EQUIPMENT, RADIO AND TV EQUIPMENT, SAFETY APPLIANCES and EQUIPMENT, SATELLITES and SUB-ASSEMBLIES, SECURITY DEVICES and ALARMS STRUCTURES and COMPONENTS, TELECOMMUNICATION EQUIPMENT	<u>Environmental Tests - Climatic</u> High temp - low humidity (constant and cyclic) Max temp: + 180°C Max chamber size: 102cm x 100cm x 114cm High temp - high humidity (constant and cyclic) Max temp: + 180°C Humidity range: 50 to 95% RH Max chamber size: 102cm x 100cm x 114cm Low temperature (constant and cyclic) Lowest temp: -70°C Max chamber size: 102cm x 100cm x 114cm	DEF STAN 00-35 Issue 4 Chapters 3-01, 3-04 and 3-07 (Superseded) Documented in-house procedures and plans and specifications as agreed with clients
COATINGS and PAINTS Metallic and Non-metallic structures and components – paint and metallic coatings	<u>Corrosion Tests</u> Salt spray	ASTM B117-19

END