


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>10121</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>UTAC UK Ltd</p> <p>Issue No: 012 Issue date: 17 April 2025</p>	
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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
<p>AEROSPACE COMPONENTS, EQUIPMENT, MATERIALS AND STRUCTURES</p> <p>AGRICULTURAL EQUIPMENT</p> <p>COMPUTERS & PERIPHERALS</p> <p>CONSTRUCTION PLANT AND EQUIPMENT</p> <p>ELECTRICAL CABLES</p> <p>ELECTRICAL/ELECTRONIC PRODUCTS AND COMPONENTS</p> <p>ELECTRO-MECHANICAL DEVICES</p> <p>HYDRAULIC EQUIPMENT AND FITTINGS</p> <p>INSTRUMENTS: INDICATING/RECORDING</p> <p>MARINE EQUIPMENT</p> <p>MINING PLANT AND EQUIPMENT</p> <p>MOTOR VEHICLES</p>	<p><u>ENVIRONMENTAL TESTS</u> (non-explosive items)</p> <p>CLIMATIC Single Parameters</p> <p>HIGH TEMPERATURE (Constant and cyclic)</p> <p>Max temp: + 120 °C Max chamber size: 3 m x 4 m x 6 m</p> <p>LOW TEMPERATURE (Constant and cyclic)</p> <p>Min temp: - 40 °C Max chamber size: 3 m x 4 m x 6 m</p> <p>TEMPERATURE CHANGE (Thermal Shock) (Manual Transference Only)</p> <p>Max temp: + 120 °C Min temp: - 40 °C Limiting chamber size: 1.0 m x 1.0 m x 1.0 m</p> <p>HIGH HUMIDITY (Steady State)</p> <p>Temp range: + 25 °C to + 55 °C Humidity range: 20 % to 98 % rh Max chamber size: 3 m x 4 m x 6 m</p>	<p>BS EN 60068-2-2:2007</p> <p>BS EN 60068-2-1:2007</p> <p>BS EN 60068-2-14:2009</p> <p>BS EN 60068-2-78:2002 (superseded) IEC 60068-2-78:2001 (superseded)</p>



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Continued from Page 1 MOTORS: ELECTRICAL AND HYDRAULIC PLASTICS AND PRODUCTS PRINTED CIRCUIT BOARDS STRUCTURES, COMPONENTS AND FITTINGS TELECOMMUNICATION EQUIPMENT	<u>ENVIRONMENTAL TESTS</u> (non-explosive items) (cont'd) HIGH HUMIDITY (Cyclic) Temp range: + 25 °C to + 55 °C Humidity range: 20% to 98% rh Max chamber size: 3 m x 4 m x 6 m	BS EN 60068-2-30:2005



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<p>As listed on Pages 1 & 2</p> <p>INTERNAL MATERIALS - AUTOMOTIVE, AEROSPACE, RAIL, MARINE, etc</p> <p>COATED PARTS, FASTENERS, BODY & WHITE SECTIONS</p> <p>TRIM SECTIONS</p>	<p><u>MATERIALS TESTING</u></p> <p>FLAMMABILITY <i>Polymeric Interior Materials</i> <i>Horizontal Test Method</i></p> <p> </p> <p>SALT SPRAY TESTING <i>Max chamber size:</i> <i>1.0m x 1.0m x 2.0m</i></p> <p>Temp Range: 25 °C to 45 °C</p> <p>TENSILE TESTING 180° Peel Adhesion Strength Test <i>Tension loads up to 5kN</i></p>	<p>Documented In-House Procedure UTAC internal procedure MPG1384 Rev 20</p> <p> </p> <p>BS AU 169a:1992</p> <p> </p> <p>DIN 75200:1980 Volvo VCS 5031.19 Iss 3 NES M0094:2021 CMVSS 302 (Canadian Technical Standards Document TP302 revision 0R) BMW GS 97038 2020-02 Contran 498/2014 Lotus BTR TP 925 version 2 Japanese Std JIS D 1201:1998 Japanese TRIAS 20-J027-01(11- 1-4-26) Toyota TSM0500G Rev 15 Volkswagen AG TL 1010 Issue 2008-01 SAE J369 2013-06 ISO 3795: 1989 GSO 98/1988 Chinese GB 8410-2006 General Motors GMW 3232 FMVSS 302:1998</p> <p> </p> <p>ASTM B117-16 (superseded) DIN 50 021-SS:1988 ISO 9227:2012 (superseded) TP JLR.52.252 Issue 01</p> <p> </p> <p>Documented In-House Procedure TC 1200 002 based on Ford FLTM BN 151-05</p>



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BODYSHELLS CENTRE CONSOLES COMPUTERS & PERIPHERALS ELECTRICAL CABLES ELECTRICAL EQUIPMENT GEAR ASSEMBLIES PAS EQUIPMENT PLASTICS AND PRODUCTS PRINTED CIRCUIT BOARDS RESONATORS/EXPANSION TANKS ROOF CONSOLES ROOF LINERS SIGNALLING EQUIPMENT	<u>VIBRATION TESTS</u> (non-explosive items) DYNAMIC VIBRATION (electromagnetic) Sine, random, broadband random, swept sine, fixed sine dwell, sine-on-random, random-on-random - with slip table facility Ambient and with temperature Freq range: 3 to 2500 Hz Max peak thrust: 40 kN Max payload (vertical): 454 kg Max temp: + 120 °C Min temp: - 40 °C Chamber size: Bespoke size	BS EN 60068-2-6:2008 BS EN 60068-2-64:2008 (superseded) IEC 60068-2-64:2008 IEC 60068-2-6:2007



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SEATS AND THEIR COMPONENTS	<p><u>SEAT PERFORMANCE TESTS</u></p> <p>OCCUPANT INGRESS/EGRESS</p> <p>Automated using purpose-built robots</p> <p>PRESSURE MAPPING</p> <p>AIRBAG DEPLOYMENT</p> <p>Temperature range: - 40 °C to + 125 °C</p> <p>PERFORMANCE CHECKS</p> <p>a) Manual Seats</p> <ul style="list-style-type: none">- Force (Operating Efforts)- Displacement- Free Play- Co-ordinates (H-Point) using FARO arm <p>b) Powered Seats</p> <ul style="list-style-type: none">- Current- Co-ordinates (H-Point) using FARO arm <p>DURABILITY</p> <p>Manual & Powered Seats</p> <ul style="list-style-type: none">- Track- Height- Recline- Lumbar- Head-rest- Tilt	<p>Ford SDS ST-0035 JLR ST-7033 JLR ST-7044</p> <p>Documented In-House Procedure TC 1000 002</p> <p>Ford AA-0001, 0002, 0013, 0015, and 0034 Nissan 5-24</p> <p>Ford ST-0007, 0011 Nissan 5-4-1, 5-4-2, 5-4-3, 5-6-5, 5-14-1 JLR 08-7010 JLR ST-7015, 7023, 7026, 7027, 7046, 7052, 7058, 7099, 7120</p> <p>Ford ST-. 0094</p> <p>Ford ST-0036, 0052, 0077, 0080, 0085, 0813 JLR ST-6037, 6039, 6051, 6052, 6055, 7033, 7036, 7042, 7043, 7044, 7081, 7082, 7085, 7106 Nissan 3-1-1, 3-1-2, 3-1-3, 3-7-1, 3-7-2, 3-13, 3-14, 3-15, 3-16, 3-17, 3-18 Version number captured in contract view.</p>



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SEATS AND THEIR COMPONENTS (cont'd)	<u>SEAT PERFORMANCE TESTS</u> (cont'd) HEATED SEAT DURABILITY AND PERFORMANCE CHECKS Temperature range: - 40 °C to + 125 °C (using standard chambers)	JLR ST-7026
AEROSPACE COMPONENTS, EQUIPMENT, MATERIALS AND STRUCTURES AGRICULTURAL EQUIPMENT COATED PARTS, FASTENERS BODY IN WHITE SECTIONS CONSTRUCTION PLANT AND EQUIPMENT ELECTRICAL/ELECTRONIC PRODUCTS AND THEIR COMPONENTS INSTRUMENTS: INDICATING AND RECORDING MARINE EQUIPMENT MINING PLANT & EQUIPMENT	<u>DURABILITY TESTS</u> STATIC TESTS Static/Low Frequency (Purpose Built Reaction frames) Ambient or high/low temperatures using either standard or prefabricated chambers Max specimen size: 20 m x 5 m x 5 m (L x W x H) Max Single Force: 250 kN (Hydraulic actuators) Max Temp: 120 °C Min Temp: - 40 °C Properties measured: Displacement, Mechanical Strain, , Pressure, Force	Documented In-House Procedures (as agreed with customers)

