

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>0536</p> <p>Accredited to ISO/IEC 17025:2005</p>	<p>Element Materials Technology Aerospace UK Limited, Trading as Element Materials Technology Dudley – Blackbrook Business Park</p> <p>Issue No: 043 Issue date: 09 October 2018</p>	
	<p>Unit 1 Blackbrook Business Park Narrow Boat Way Dudley West Midlands DY2 0XQ</p>	<p>Contact: Mr J Pugh Tel: +44 (0)1384 236635 Fax: +44 (0)1384 457250 E-Mail: jonathan.pugh@element.com Website: www.element.com</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Element Materials Technology Aerospace UK Limited, UKAS reference 0536, is accredited for a flexible scope that enables them to conduct accredited testing through the modification of existing test methods and include newly revised and technically equivalent methods to activities detailed below, in accordance with their documented in-house procedure E-E-AS-NDT-SOP032.

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
LIGHT and DENSE METALS and ALLOYS including castings, forgings and weldments	<p><u>Non Destructive Tests</u></p> <p><u>Liquid Penetrant:</u> Fluorescent-immersion line and manual application</p>	<p>BS M 39 BS EN ISO 3452-1 BS EN ISO 3452-2 BS EN ISO 3452-3 BS EN ISO 3452-4 BS EN ISO 3452-5 BS EN ISO 3452-6 BS EN 10228-2 RRP 58003 ASTM E165/E165M ASTM E1209 ASTM E1210 ASTM E1219 ASTM E1220 ASTM E1417/E1417M Def. Stan. 02-729:Part 4 Goodrich 981-060-021 Goodrich WP122 Sokorsky –SS8806 BAe R05-6101 ABP 6-5230 QCP 205 QCP 207 Moog PS79 RRP 58012</p>



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
LIGHT and DENSE METALS and ALLOYS including castings, forgings and weldments (cont'd)	<p><u>Non Destructive Tests</u> (cont'd)</p> <p><u>Liquid Penetrant:</u> (cont'd) Colour contrast manual application</p> <p><u>Ultrasonic Flaw Detection:</u> Manual contact method</p> <p><u>Radiography:</u> X-Ray (10 keV to 450 keV)</p>	<p>BS M 39 BS EN ISO 3452-1 BS EN ISO 3452-2 BS EN ISO 3452-3 BS EN ISO 3452-4 BS EN ISO 3452-5 BS EN ISO 3452-6 BS EN 10228-2 MIL-STD 6866 ASTM E165/E165M ASTM E1209 ASTM E1210 ASTM E1219 ASTM E1220 ASTM E1417/E1417M ASME V AWPS 006X Def. Stan. 02-729:Part 4</p> <p>BS EN 12680-1 BS EN 10160 BS EN 10228-3 BS EN 10228-4 ASME V SAE-AMS-STD 2154 Def. Stan. 02-729:Part 5 DTD 936 DTD 937 BAe R05-6104</p> <p>BS M 34 BS EN ISO 5579 BS EN 12681 RRP 58006 ASME V ASTM E94 ASTM E1742/E1742M ASTM E1030 Def. Stan. 02-729:Part 1 Goodrich 981-060-022 BAe R05-6113 ABP 6-5346 QCP 201</p>



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
LIGHT and DENSE METALS and ALLOYS including castings, forgings and weldments (cont'd)	<u>Non Destructive Tests</u> (cont'd) <u>Radiography:</u> (cont'd) Gamma-Ray Co 60 up to 3.7 Tbq (100 Ci) Ir 192 up to 3.7 Tbq (100 Ci)	BS M 34 BS EN ISO 5579 BS EN ISO 17636-1 BS EN 12681 RRP 58006 ASME V ASTM E94 ASTM E 1742/E1742M ASTM E1030 Def. Stan. 02-729:Part 1 Goodrich 981-060-022 BAe R05-6113 ABP 6-5346 QCP 201
FERROMAGNETIC METALS	<u>Magnetic Particle:</u> Black ink-universal and portable kit Fluorescent ink-universal and portable kit (AC and DC up to 6000 A)	BS EN ISO17638 BS EN ISO 9934-1 BS EN 10228-1 MIL-STD 6868E ASTM A275/A275M ASTM E709 ASTM E1444/E1444M AWPS 003X RRP 58004 Def. Stan. 02-729:Part 2 ASME V Goodrich 981-060-014 BAe R05-6103 ABP 6-5229 Moog PS 74
WELDMENTS	Tests designated in specified welding codes: Liquid Penetrant, Magnetic Particle, Radiographic and Ultrasonic tests	AWPS 004X AWPS 005X BS EN ISO 9606-2 BS EN ISO 15614-1 BS EN ISO 15614-2 BS 4872:Part 1 BS 4872:Part 2 ASME V
END		