

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 0074 Accredited to ISO/IEC 17025:2017	Element Materials Technology Aerospace UK Limited	
	Issue No: 048 Issue date: 29 April 2025	
	21 Charlton Drive Corngreaves Industrial Estate Cradley Heath Warley West Midlands B64 7BJ	Contact: Mr D Solloway Tel: +44 (0)1142 726 581 E-Mail: david.solloway@element.com Website: www.element.com
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address 21 Charlton Drive Corngreaves Industrial Estate Cradley Heath Warley West Midlands B64 7BJ Local contact Mr M Sprague	Metals & Weldments Non-Destructive testing	A
Address Buckland Road Pen Mill Trading Estate Yeovil BA21 5EA Local contact Mr. F. Prata	Metals & Weldments Non-Destructive testing	B
Address Cosgrove Close Blackpole Worcester WR3 8UA Local contact Mr. C. Dance	Metals & Weldments Non-Destructive testing	C
Address Unit 1 Blackbrook Business Park Narrow Boat Way Dudley West Midlands DY2 0XQ Local contact Mr. J Pugh	Metals & Weldments Non-Destructive testing	D



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
LIGHT and DENSE METALS and ALLOYS including castings, forgings and weldments	<u>Non-Destructive Tests</u>		
	Liquid Penetrant Method Fluorescent - in line Colour contrast (manual application)	BS 6443:1984 (Withdrawn) BS M39:1972 BS EN 571-1:1997 (Withdrawn) BS EN ISO 3452-1:2013 RPS 702:Issue 10 (Withdrawn) R05-6101 Issue 15 ABP 6-5230 Issue 12 981-060-021 Issue 29 AWPS006X Issue E DEF STAN 02-729 Part 4:2013 ASTM E165/E165M-18 ASME V:2019 ASTM E1417/E1417M-16 RRP 58003 Issue J	A
	Liquid Penetrant Method: Fluorescent and colour contrast (manual application)	BS 6443:1984 (Withdrawn) BS M39:1972 BS EN 571-1:1997 (Withdrawn) BS EN ISO 3452-1:2013 RPS 702 Issue 10 (Withdrawn) R05-6101 Issue 14 AWPS006X Issue E DEF STAN 02-729 Part 4:2013 ASTM E165/E165M-18 ASME V:2019 RRP 58003 Issue J	B



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LIGHT and DENSE METALS and ALLOYS including castings, forgings and weldments (cont'd)	<u>Non-Destructive Tests</u> (cont'd) Radiography X-Ray 50 keV - 450 keV Betatron 7.5 MeV Gamma radiography Ir 192 up to 3.7 TBq (100 Ci)	RRP58006 Issue E BS M34:1970(1984) BS 2600:Part 1:1983 (Withdrawn) BS 2600:Part 2:1973 (Withdrawn) BS 2910:1986 (Withdrawn) BS 7257:1989 (Withdrawn) BS EN 444:1994 (Withdrawn) BS EN ISO 5579:2013 BS EN 1435:1997 (Withdrawn) BS EN ISO 17636-1:2013 RPS 704:Issue 7 (Withdrawn) R05-6113 Issue 8 ABP 6-5346 Issue 6 (Withdrawn) *** 981-060-022 Issue 17 AWPS004X Issue B NGPS 1017 Issue 8 T/SP/P2 2000 ASTM E94/E94M-17 ASTM E2104-15 DEF STAN 02-729 Part 1:2013 ASME V:2019 ASME B16.34 2017 NGPS1057 Issue 11 ASTM E1742/1742M-18 BSS7041 Revision D AITM 6-7002 Issue 7	A



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LIGHT and DENSE METALS and ALLOYS including castings, forgings and weldments (cont'd)	<u>Non-Destructive Tests</u> (cont'd)		
	Radiography X-Ray 50 keV to 350 keV	RRP58006 Issue E BS M34:1970 (1980) BS 2600:Part 1:1983 (Withdrawn) BS 2600:Part 2:1973 (Withdrawn) BS 2910:1986 (Withdrawn) BS 7257:1989 (Withdrawn) BS EN 1435:1997 (Withdrawn) BS EN ISO 17636-1:2013 RPS 704 Issue 7 (Withdrawn) R05-6113 Issue 8 AWPS004X Issue B ASTM E94/E94M-17 ASTM E2104-15 DEF STAN 02-729 Part 1:2013 ASME V:2019	B
	Computed Radiographic (CR) inspections using X-ray up to 320kV and Betatron up to 7.5 MeV	ASTM E 2033:2017 RRP58009 Rev D AITM-7002 Issue 7 PS1106 Rev C BS EN 14784-1:2005 BSS7043 Rev C WP1077 Issue 1 981-060-022 Issue 17	A & C
	Digital Radiography (DR) - X-Rays using Digital Detection Array	ASTM E2698:2018 RRP 58009 AITM6-7007	A



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DETAIL OF ACCREDITATION Element Materials Technology Aerospace UK Limited, Dudley, Blackbrook Business Park, 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.			
LIGHT and DENSE METALS and ALLOYS including castings, forgings and weldments	<u>Non-Destructive Tests</u> <u>Liquid Penetrant:</u> Fluorescent-immersion line and manual application	BS M 39 BS EN ISO 3452-1 BS EN 10228-2 SND-006 BS EN ISO 1371 EP-137 RRP 58003 ASTM E165/E165M ASTM E1209 ASTM E1210 ASTM E1219 ASTM E1220 ASTM E1417/E1417M Def. Stan. 02-729:Part 4 Collins 981-060-021 WP122 Sokorsky –SS8806 QCP 205 QCP 207 Moog PS79 RRP 58012	D



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
LIGHT and DENSE METALS and ALLOYS including castings, forgings and weldments (cont'd)	<u>Non-Destructive Tests</u> (cont'd)		
	<u>Liquid Penetrant:</u> (cont'd)		
	Colour contrast manual application	BS M 39 BS EN ISO 3452-1 MIL-STD 6866 ASTM E165/E165M ASTM E1209 ASTM E1210 ASTM E1219 ASTM E1220 ASTM E1417/E1417M ASME V BS EN 10228-2 Def. Stan. 02-729:Part 4	D
	<u>Ultrasonic Flaw Detection:</u> Manual contact method	BS EN 12680-1 BS EN 10160 BS EN 10228-3 BS EN 10228-4 BS EN 10307 BS EN 10308 BS EN 17640 BS EN 4050-1 ASME V ASTM A388 SAE-AMS-STD 2154 Def. Stan. 02-729:Part 5 DTD 936 DTD 937	D
	<u>Radiography:</u> X-Ray (10 keV to 450 keV)	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 Collins 981-060-022 QCP 201	D



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
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 Collins 981-060-022 QCP 201	D
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 BS EN 1369 ASTM A275/A275M ASTM E709 ASTM E1444/E1444M RRP 58004 Def. Stan. 02-729:Part 2 ASME V Collins 981-060-014 Moog PS 74 WP 523	D
END			