


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 0687 Accredited to ISO/IEC 17025:2017	Devonport Royal Dockyard Limited trading as Devonport Materials & Environmental Laboratory	
	Issue No: 036 Issue date: 10 June 2020	
	PC1417A Devonport Royal Dockyard Devonport Plymouth PL1 4SG	Contact: Mr K Winsor Tel: +44 (0) 7766 314 600 E-Mail: kevin.winsor@babcockinternational.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 PC1417A Devonport Royal Dockyard Devonport Plymouth PL1 4SG Local contact Mr K Windsor Tel: +44 (0) 7766314600	Physical and chemical tests Radiological tests Asbestos bulk identification and fibre counting. Breathing air quality	A

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Commercial, Domestic, Industrial and Government Sites and Premises	Contact: Mr K Windsor Sampling of airborne asbestos and Man Made Mineral Fibres Confined space air quality	B



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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
BREATHING AIR	<u>Chemical Tests</u>	Documented In-House Methods, which may be, based on/ incorporating British Standards as referenced. Alternative or additional references are made as appropriate.	
Self contained equipment and piped supplies (To meet the requirements of DEFSTAN 68-284/3 DEFSTAN 02-373 DEFSTAN 02-343 BSEN 12021:2014)	Carbon Monoxide Carbon Dioxide Methane Oil Oxygen Water	DMEL 1/43	A
FERROUS ALLOYS: Mild Stainless Low Alloy Steels	Phosphorus	DMEL 1/36, by Titration	A
METALS , ALLOYS AND METAL PRODUCTS	<u>Mechanical Tests</u>		
	Tensile (Forces up to 600 kN) —	DMEL 2/31, 2/32, BS EN ISO 6892-1:2016	A
	Bend testing	DMEL 2/7 BS 4206:1967 (superseded) BS EN ISO 7438:2016 BS EN ISO 5173:2010	A
	Impact testing: Charpy(- 80 °C to ambient)	DMEL 2/9 BS EN ISO 148-1:2016	A
	Crystallinity	BS 131:Part 5:1965	
	Hardness Testing:		
	Vickers HV 5, 10, 30	DMEL 2/10 BS EN ISO 6507-1:2018 BS EN ISO 9015-1:2011	A
	Low force Vickers (HV0.5)	DMEL 2/10 BS EN ISO 9015-2:2016	A



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METALS , ALLOYS AND METAL PRODUCTS (cont'd)	<u>Metallurgical Tests</u>		
	Measurement and Identification of surface features	DMEL 2/28	A
WELDMENTS	<u>Mechanical Tests</u>		
	Tests designated in specified welding codes as detailed below: Bend, Hardness, impact, tensile, macro / micro examination	BS EN 287:Part 1:2011 (Withdrawn) BS EN ISO 9606-Part1:2013 BS EN ISO 9606:Part 2:2004 BS EN ISO 9606-Part4:1999 BS EN ISO 15614:Part 2:2005 BS EN ISO 15614:Part 1:2017 BS 709:1983 (withdrawn) BS 4206:167 (withdrawn) BS EN ISO 9016:2012 BS EN ISO 5178:2011 BS EN ISO 4136:2012 BS EN ISO 9015-1:2011 BS EN ISO 5173:2010 BS EN ISO17639:2013 BS 1639:1964(1989) (withdrawn) BS EN ISO 5817:2014 BS EN ISO 10042:2005	A
Process water Trade effluent Saline water Surface water	<u>Radiological Tests</u>		
	Tritium assay	DMEL 5/24	A
Process water Trade effluent Saline water Surface water	Qualitative and quantitative analysis of gamma-emitting radio-nuclides (88 keV to 1836 keV)	DMEL 5/136	A
Process water Trade effluent Saline water Surface water	¹⁴ C activity	DMEL 5/128	A
HUMAN BODY	Detection and quantification of gamma emitting nuclides ¹³⁷ Cs and ⁶⁰ Co above the limit of detection of 0.01 mSv	In-house method FP 18-19-798 using the Canberra Accuscan Whole Body Counter using dual detectors	A



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WATERS	<u>Chemical Tests</u>		
	Conductivity	DMEL 1/80	A
	pH	DMEL 1/79	A
	Chloride	DMEL 1/1	A
HIGH PURITY WATERS	Suspended solids	DMEL 1/30	A
	pH	DMEL 5/3	A
	Conductivity	DMEL 5/26	A
	<u>Health and Hygiene</u>	Health and Safety Executive Asbestos: The analysts' guide for sampling, analysis and clearance procedures (HSG 248)	
ASBESTOS FIBRES IN AIR	Fibre counting	DMEL 4/3 Membrane Filter Method using Phase Contrast Microscopy (PCM)	A
Commercial, Domestic, Industrial and Government Sites and Premises	Sampling of air for fibre counting (not testing against clearance indicator)	Documented In-House Method DMEL 4/3	B
ASBESTOS IN BULK MATERIALS including materials and products suspected of containing asbestos	Identification of: Amosite Chrysotile Crocidolite Fibrous Actinolite Fibrous Anthophyllite Fibrous Tremolite	HSG 248:February 2005 by Documented In-House Procedure DMEL 4/1 using stereo-microscopy, polarised light microscopy and dispersion staining	A
MAN-MADE MINERAL FIBRES IN AIR (MMM)	Fibre counting	MDHS 59/2 : June 2014	A
Commercial, Domestic, Industrial and Government Sites and Premises	Sampling of air for fibre counting	MDHS 59/2 : June 2014 by Documented In-House Method DMEL 4/8	B



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FUELS OILS AND LUBRICANTS	<u>Chemical Tests</u>		
	Moisture	DMEL 1/62	A
	Acidity	DMEL 1/13	A
FUELS OILS AND LUBRICANTS	<u>Physical Tests</u>		
	Flash point	DMEL 1/6 ASTM D93	A
	Viscosity	DMEL 1/56 ASTM D445	A
BREATHING AIR QUALITY	<u>Physical Tests</u>		
Ships Docksides Decompression Chambers Workshops		Documented In-House Methods referenced where appropriate to a regulatory requirement	
	Water Content	DMEL 1/43	B
Confined Space	Gas free entry certification for: (a) Prior to cleaning (b) After cleaning (c) Naked/temporary lighting (d) Newly painted tanks	DMEL 3/7 Shipbuilding and Ship Repairing Regulations 1960 HSE Guidance Note G85	B
END			