Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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Accredited to ISO/IEC 17025:2017

Aerotech Laboratories Ltd

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Unit 20
Mercia Business Village
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Coventry
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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 Unit 20 Mercia Business Village Torwood Close Westwood Business Park Coventry CV4 8HX	**Local contact** Mr M Ricketts Tel: +44 (0)24 7647 4474 Email: support@aerotechlabs.co.uk Website: www.aerotechlabs.co.uk	Chemical Analysis	A
Address Unit 11 Portway Close Off Torrington Avenue Tile Hill Coventry CV4 9UY	**Local contact** Mr M Ricketts Tel: +44 (0)24 7647 4474 Email: support@aerotechlabs.co.uk Website: www.aerotechlabs.co.uk	Salt Spray Testing	B
Address Unit 17 Mercia Business Village Torwood Close Westwood Business Park Coventry CV4 8HX	**Local contact** Mr M Ricketts Tel: +44 (0)24 7647 4474 Email: support@aerotechlabs.co.uk Website: www.aerotechlabs.co.uk	Fluorescent Penetrant Test	C

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Ferrous & non-ferrous metals Protective coatings	Neutral Salt spray	ASTM B117-19 BS ISO 9227:2022 3 off cabinets Largest working size:1465 mm (W) x 1040 mm (D) x 720 mm (H)	B
Sodium chloride for use in salt spray testing		Documented in-house methods (TA216 Series)	
		Stripping Voltammetry (TA216 series in-house methods)	A
	Copper Nickel Iodide Lead	TA216-5 TA216-6 TA216-7 TA216-8	
	Fluoride	TA216-2 using Ion chromatography	A
	Anti-caking agent (sodium hexacyanoferrate II)	TA216-4 Colorimetric analysis	A
	Bromide	TA216-2 and TA014 using titrimetry	A
	Sodium Chloride	TA216-1/TA216-3 and TA018 using titrimetry	A
Fluorescent penetrant consumables for NDT		Documented in-house methods (TA142 Series) based on ASTM E1417/E1417M-21 Section 7.8	
	Fluorescent brightness	TA142-2 using ASTM E1135-19	C
	Removability (Washability)	TA142-3 and TA142-9	C
	Water content	TA142-1 using ASTM D95-23 and ASTM E203-16	C
	Sensitivity	TA142-6	C

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
		Documented in-house methods	
Etching, Plating, Cleaning, Anodising, Pre-treatment solutions	Ag, Al, Bi, Cr, Cu, Fe, Ni, Pb, Ti, Zn	TA016 using flame atomic absorption	A
Plating, anodising and pre-treatment solutions	Hexavalent chromium	TA011 using titrimetry	A
Etching, plating and pre-treatment solutions	Acid concentration	TA012 using titrimetry	A
Etching, plating, cleaning and pre-treatment solutions	Alkali concentration	TA013 using titrimetry	A
Etching, cleaning, pre-treatment solutions	Oxidising agent concentration	TA014 using titrimetry	A
Cleaning, Anodising, Pre-treatment solutions	Chloride	TA015 using titrimetry (auto-titrator)	A
Plating Solution	Chloride Free Cyanide	TA018 using titrimetry	A
Anodising solution	Chloride Chromic acid	TA018 using titrimetry	A
Cleaning solution	Chloride	TA018 using titrimetry	A
Etching, plating and pre-treatment solutions	Complexing agents by EDTA titration	TA017 using titrimetry	A
Plating solution	Sulphuric Acid (as sulphate)	TA128 using ion chromatography	A
Anodising and Pre-treatment solutions	Chloride Sulphate	TA108 using ion chromatography	A
Anodising and plating solutions	Trivalent chromium	TA128 using spectrophometry	A
Anodising Solution	Total Acid Sulphuric Acid Tartaric Acid (By Calculation) Aluminium	TA139 using titrimetry (autotitrator)	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS		Documented in-house methods	A
Process waters and wastewaters (trade effluent)	Fluoride, chloride sulphate	TA171-10 using ion chromatography	A
Process Water	Chloride	TA171-8 using titrimetry	A
	Chloride	TA171-6 using ion chromatography	
Process Water and Wastewater (trade effluent)	Aluminium, cadmium, copper, chromium, iron, lead, nickel, silver, zinc	TA171-1 using flame atomic absorption spectrophotometry.	A
Wastewater (trade effluent)	Chemical oxygen demand	TA171-2 using spectophotometry	A
Wastewater (trade effluent)	Free cyanide	TA171-3 using spectrophotometry	A
Wastewater (trade effluent) and Process Water	Silica	TA171-7 using spectrophotometry	A
	Suspended solids	TA171-4 using gravimetry	A
	Conductivity	TA171-9 using conductivity meter	A
	pH	TA158 using pH meter	A
Oil samples	Water content	Documented in-house method (TA188-1) using Karl Fischer determination technique	A
END			