Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

22856

Accredited to ISO/IEC 17025:2017

ENNOVI ADVANCED MOBILITY SOLUTIONS UK LIMITED

Issue No: 006 **Issue date:** 29 September 2026

Ennovi Plating Research and Development Centre
c/o Biocity Scotland Ltd
Boness Road
Newhouse
Motherwell
ML1 5UH

Contact: Dr William Waugh
Tel: +44 (0) 1698 678411
E-Mail: William.Waugh@uk.ennovi.com
Website: www.ennovi.com

Testing performed by the Organisation at the locations specified

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address	**Local contact**		
Ennovi Plating Research and Development Centre c/o Biocity Scotland Ltd Boness Road Newhouse Motherwell ML1 5UH	Contact: Dr William Waugh Tel: +44 (0) 1698 678411 E-Mail: William.Waugh@uk.ennovi.com	Metallic & Non-metallic Coatings Organic and inorganic coatings/materials	A

Site activities performed away from the locations listed above:

Location details		Activity	Location code
Address	**Local contact**		
Commercial and Industrial Premises	Contact: Dr W Waugh	Metals & Weldments - Non-Destructive testing	B

Flexible Scope

The laboratory is accredited to ISO/IEC17025:2017 for a limited flexible scope that enables the laboratory to conduct accredited testing through the modification of existing test methods, inclusion of technically equivalent standard methods and inclusion of revised standard methods, in accordance with their documented in-house procedure DIHM QM-FS. This is limited to the determination of concentration of the major element constituent of plating solutions using X-Ray Fluorescence Spectrometry.

Information about flexible scopes of accreditation is available in UKAS document GEN 4 and EA document EA-2/05.

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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
Metallic and non-metallic coatings	<u>Physical Tests</u>		
	Cross sectional thickness evaluation	ASTM B748-90(2021)	A
	Measuring coating thickness by magnetic field or eddy current method	ASTM E376-19	A
	Measuring coating thickness by the magnetic method	ASTM B499-26	A
	Qualitative adhesion testing of metallic coatings	ASTM B571-23	A
	Assessment of quality of sealed anodic oxidation coatings by measurement of admittance.	BS EN ISO 2931: 2018	A, B
	Determination of anticorrosive properties of organic coatings by accelerated cyclic electrochemical technique (Electrochemical impedance measurement & cathodic dis-bonding).	BS EN ISO 17463: 2022	A
	HPLC analysis of organic additives and breakdown products in electroplating solutions / concentration ml/l	WI-022, Thermo Fischer Application Notes	A
	<u>Chemical Tests</u>		
	XRF analysis of metallic coatings thickness	ASTM B568-98(2021)	A
	Thickness evaluation of by coulometry technique (metallic coatings only)	ASTM B504-90(2023)	A
	Elemental composition analysis using SEM/EDX	ASTM E1508-12a(2019)	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Organic and inorganic coatings/materials	Physical Tests		
	Assessment of adhesion of ductile coating films to metallic substrates	ASTM D3359-23	A
	Chemical Tests Microanalysis of samples via infra-red spectroscopy	ASTM E334-01(2021)	A
	Qualitative identification of organic and inorganic materials by infra-red spectroscopy	ASTM E1252-98(2021)	A
Electronic components, Components and Assemblies	Physical Tests		
	Cleanliness testing of components and systems	ISO 16232:2018	A
	Dimensional measurements using a SEM after calibration of magnification of the SEM	ASTM E766-14(2019).	A
	Chemical Tests		
	Ionic analysis by ion chromatography method	IPC-TM650-2.3.28.2	A
Plating Solutions and Process waters (Non-regulatory)	Chemical Tests		
	Determination of pH.	DIHM WI-029. pH Measurements of Aqueous Solutions in accordance with ASTM E70-24	A, B
	Determination of Conductivity.	DIHM WI-038. Conductivity Measurements of Aqueous Solutions in accordance with ASTM D1125-23.	A, B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Process Waters (Non-regulatory)	Chemical Tests Determination of Ag, Al, Au, Ca, Cu, Co, Cr, Fe, In, K, Mg, Mn, Na, Ni, P, Pb, Pd, S, Se, Sn, Zn.	DIHM WI-105B. Measurement of Process Water Samples by ICP-OES in accordance with ASTM D1976-20.	A
Plating Solutions	Chemical Tests Determination of Ni	DIHM WI-015A. Measurement of Nickel in Nickel Plating Solutions using ICP-OES	A
	Determination of Ni	DIHM WI002A-1. Solution testing for Nickel in Sulphamate Baths using X-Ray Fluorescence Spectrometry	A
	Determination of concentration of the major element constituent of plating solutions.	Flexible Scope Analysis through the application of DIHM QM-FS and WI-040 using X-Ray Fluorescence Spectrometry.	A
Polymers	Chemical Tests Determination of Br, Cd, Cr, Hg, Pb	DIHM WI-002D. RoHS Testing of Polymers using X-Ray Fluorescence Spectrometry (XRF) in accordance with ASTM F2617-15 (Re-approved 2023) and IEC 62321 3-1 (2013).	A
Metal Substrates Metal Alloys	Chemical Tests Determination of Qualitative Material Identification	DIHM WI-002C Positive Material Identification (PMI) X-Ray Fluorescence Spectrometry (XRF) in accordance with ASTM E1476-04 (2022)	A

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Automotive electrical components.	<u>Physical Tests</u> Determination of Mass of electronic components	 DIHM WI-023A. Weighing of Electronic Components by Gravimetry.	 A
Electrotechnical products, components, equipment and materials	<u>Environmental Testing</u> Part 2-82: Whisker test methods for components and parts used in electronics assemblies / Ambient, damp heat / SEM evaluation. Damp Heat (+85ºC/85% rh) Ambient (+15-35ºC/25-75%rh) Flowing mixed gas corrosion test / mass, surface analysis, visual examination	 BS EN 60068-2-82:2019 BS EN 60068-2-60:2015	 A A
Electroplated / Painted samples	<u>Environmental Testing</u> Salt Spray Testing – Neutral Salt Spray @ +35ºC Conditioning Only	 ASTM B117-26 & ISO 9227:2022	 A
END			