Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

2668

Accredited to ISO/IEC 17025:2017

Innoval Technology Limited

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Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS, ALLOYS AND METAL PRODUCTS	<u>Mechanical Tests</u>	
Aluminium sheet	Earing	ISO 11531:2022
	Erichsen cupping	ISO 20482:2013
Metals, Alloys and Metal Products	Vickers micro-hardness (HV 0.1 and HV0.5)	BS EN ISO 6507-1:2023
	Tensile (Ambient) (Forces up to 50 kN)	BS EN ISO 6892-1: 2019 ASTM E8/E8M-25
	Plastic strain ratio (r)	ASTM E517-24
	Strain hardening exponent (n)	ASTM E646-16R24
	<u>Metallurgical Tests</u>	
	Grain size	ASTM E112-25
	Particle size measurement (Automatic Image Analysis)	ASTM E1245-03 (2023)
	<u>Corrosion Tests</u>	
Aluminium alloys	Corrosion potentials	ASTM G69-20
	Exfolation corrosion	ASTM G34-23 ASTM G66-23
	Galvanic corrosion	ASTM G71-81(2024)

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS, ALLOYS AND METAL PRODUCTS (cont'd)	Corrosion Tests (cont'd)	
Aluminium alloys (cont'd)	Intergranular corrosion	BS EN ISO 11846:2008 Method B Documented In-house Method CTS-024
	Pitting corrosion	ASTM G46-21
	Chemical Tests	
METALS, ALLOYS AND METAL PRODUCTS	Qualitative analysis	Documented In-house Method CTS-019 using SEM/EDX Documented In-house Method CTS-021 using FTIR
	Physical Tests	
Aluminium alloys	Electrical conductivity	Documented In-house Method CTS-028 using Verimet M4900 conductivity meter.
	Melting temperature ranges	Documented In-house Method CTS-022 using DSC
	Quantitative Oxide film thickness	Documented In-house Method CTS-021-Appendix 2 using FTIR
	Chemical Tests	
Paint coatings	Cure test	Documented In-house Method CTS-025
	Mechanical Tests	
	Adhesion	ASTM D3359-23 Method B
	Coating flexibility	Documented In-house Method CTS-025
	Hardness (Pencil)	ASTM D3363-22
	Impact resistance	ASTM D2794-93(R24)

END