


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 0012 Accredited to ISO/IEC 17025:2017	The Sheffield Assay Office Issue No: 060 Issue date: 11 August 2025	
	Guardian Hall Beulah Road Hillsborough Sheffield S6 2AN	Contact: Mr M Hawker Tel: +44 (0) 114 231 2121 E-Mail: hawrkerm@assayoffice.co.uk Website: www.assayoffice.co.uk
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 Guardian Hall Beulah Road Hillsborough Sheffield S6 2AN	Local contact Mr M Hawker hawrkerm@assayoffice.co.uk	Metals Sampling & Analysis Chemical Testing	A
Address Sub Office 01 Brown & Newirth Ltd Elma House Beaconsfield Close Hatfield AL10 8YG	Local contact Mr M Hawker hawrkerm@assayoffice.co.uk	Metals Sampling & Analysis	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
METALS and METAL ALLOYS (including PRECIOUS METALS/ ALLOYS)	<u>Chemical Tests for the Purposes of Hallmarking</u>	<u>Documented In-House Methods</u>	
Precious metals & alloys	Gold, Silver, Platinum, Palladium	X-ray Fluorescence Analysis (XRF) ATM 105	A, B
	Gold, Silver, Platinum, Palladium	ICP OES ATM 74	A
	Gold, Silver	Fire Assay Cupellation ATM 01	A
	Silver	Potentiometric Titration ATM 11	A
	Chemical Tests		
Precious metal alloys & Powders	Gold, Palladium, Platinum, Rhodium	ICP OES ATM 74	A
	Silver	Potentiometric Titration ATM 11 ATM 12, ICP OES ATM 12	
	Gold, Silver	Fire Assay Cupellation ATM 01	A
Precious Metal Powders	Gold, Platinum, Palladium	Lead Fusion/Fire Assay/ ICP OES ATM 03	A
High Purity Silver	Aluminium, Arsenic, Gold, Bismuth, Cadmium, Cobalt, Chromium, Copper, Iron, Magnesium, Manganese, Nickel, Lead, Palladium, Platinum, Antimony, Selenium, Silicon, Tin, Tellurium, Titanium, Zinc, Boron, Mercury, Iridium, Phosphorus, Ruthenium	ICP OES ATM 79	A



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METALS and METAL ALLOYS (including PRECIOUS METALS/ ALLOYS)	<u>Chemical Tests</u>	Documented in house methods	
Base metals & alloys (e.g. steels)	Aluminium, Boron, Bismuth, Cobalt, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Molybdenum, Niobium, Phosphorus, Silicon, Tin, Tantalum, Titanium, Vanadium, Tungsten, Zinc, Zirconium	ICP OES ATM 150	A
	Carbon Sulphur	Combustion/infra-red Analysis ATM 82	A
	Silver	Potentiometric titration ATM 11 ATM 12, ICP OES ATM 12	A
Metals, Metal Alloys, and Metal Powders	Nitrogen, Oxygen, & Hydrogen	Thermoconductivity and IR absorption using In-house method ATM 149	A
Copper & Brass alloys	Arsenic, Aluminium, Bismuth, Cadmium, Chromium, Copper, Iron, Magnesium, Manganese, Molybdenum, Nickel, Phosphorus, Lead, Antimony, Silicon, Tin, Titanium, Zinc	ICP OES ATM 101	A
Aluminium alloys	Aluminium, Bismuth, Chromium, Copper, Iron, Gallium, Lithium, Magnesium, Manganese, Molybdenum, Nickel, Lead, Antimony, Silicon, Tin, Titanium, Zinc, Zirconium	ICP OES ATM 102	A



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METALS and METAL ALLOYS (including PRECIOUS METALS/ ALLOYS)	<u>Chemical Tests</u>	Documented In-house methods	
Lead/Tin Alloys	Silver, Aluminium, Arsenic, Gold, Bismuth, Cadmium, Copper, Iron, Indium, Nickel, Lead, Palladium, Antimony, Tin, Zinc	ICP OES ATM 72	A
Ferrosilicon Alloys	Aluminium, Barium, Calcium, Chromium, Iron, Magnesium, Manganese, Phosphorus, Silicon, Titanium, Zirconium	ICP OES ATM 166	A
Titanium Alloys	Aluminium, Chromium, Copper, Iron, Molybdenum, Nickel, Niobium, Tantalum, Tin, Titanium, Vanadium, Zirconium	ICP OES ATM 167	A
Metal Powers and Turnings	Loss-on-ignition at 120°C, 500°C, and 800°C	Gravimetry ATM 144	A
Metals, Metal Alloys, and Metal Powders	Gold, Silver, Platinum, Palladium, Aluminium, Arsenic, Antimony, Boron, Barium, Beryllium, Bismuth, Calcium, Cadmium, Chromium, Copper, Iron, Gallium, Hafnium, Mercury, Indium, Iridium, Lanthanum, Magnesium, Manganese, Molybdenum, Sodium, Niobium, Nickel, Phosphorus, Lead, Rhenium, Rhodium, Ruthenium, Selenium, Silicon, Tin, Tantalum, Tellurium, Thorium, Thallium, Titanium, Vanadium, Tungsten, Yttrium, Zinc, Zirconium	ICP OES ATM 83	A



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METALS and METAL ALLOYS (including PRECIOUS METALS/ ALLOYS)	<u>Chemical Analysis</u>	Documented In-house methods	
Metals in solution (e.g. Plating solutions, tank Washings, process waste)	Gold, Silver, Platinum, Palladium, Aluminium, Arsenic, Antimony, Boron, Barium, Beryllium, Bismuth, Calcium, Cadmium, Chromium, Cobalt, Copper, Iron, Gallium, Hafnium, Mercury, Indium, Iridium, Potassium, Lanthanum, Magnesium, Manganese, Molybdenum, Sodium, Niobium, Nickel, Phosphorus, Lead, Rhenium, Rhodium, Ruthenium, Selenium, Silicon, Tin, Thorium, Thallium, Titanium, Vanadium, Tungsten, Yttrium, Zinc, Zirconium	ICP OES ATM 83	A
Metals, metal alloys and Metal powders, metals in Solution (e.g. cell culture Solutions, plating solutions, Tank washings, process Waste)	Antimony, Arsenic, Bismuth, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Hafnium, Indium, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Selenium, Silver Tellurium, Tin, Titanium, Thallium, Thorium, Zinc, Zirconium, Mercury	ICP MS ATM 160	A
Jewellery and related Products	Nickel (releasable)	Acid dissolution followed by ICP OES or ICP MS based on BS EN 1811:2023, BS EN 12472:2020 (ATM 87, ATM 89)	A



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METALS and METAL ALLOYS (including PRECIOUS METALS/ ALLOYS)	<u>Chemical Tests</u>	Documented In-house methods	
Jewellery and related Products (including children's jewellery and painted jewellery)	Lead, Cadmium	16 CFR part 1303: ATM 134 based on CPSC-CH-E 1001-08:3 using ICP OES or ICP MS	A
	<u>Chemical Tests</u>	Documented In-House Methods	
PAINT	Lead, Cadmium	16 CFR part 1303: ATM 134 based on CPSC-CH-E1003-09.1 ICP OES or ICP MS	A
BODY FLUIDS	<u>Chemical Tests</u>		
Urine Samples (human)	Mercury, Creatinine	CV-AFS and UV Spectrophotometry ATM 103	A
MEDICAL MATERIALS	<u>Chemical Tests</u>	Documented In-house Methods	
Alginate Fibres	Silver, Arsenic, Cadmium, Cobalt, Copper, Iron, Mercury, Sodium, Nickel, Lead, Tin, Zinc	ICP OES ATM 99	A
Medical Materials	Silver	ICP OES ATM 106	A
Silver Migration into Simulated wound fluid	Silver	ICP OES ATM 115	A



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Precious Metal Alloys & Powders Base Metals & Alloys (e.g Steels Metals, Metal Alloys, Metal Powders (trace analysis) Metals in Solution (e.g. Plating solutions, tank Washings, process waste) Alginate Fibres & Medical Materials	Flexible Scope Protocol AP10 The laboratory holds a flexible Scope for the appropriate Application of documented in House methods for sampling, Preparation, and Measurement for additional Elements using flexible scope Protocol AP10 for the methods	ICP OES ATM 074 ICP OES ATM 150, ATM 101, ATM 102, ATM 72 ICP OES ATM 83 ICP MS ATM 160 ICP OES ATM 83 ICP OES ATM 160 ICP OES ATM 99 ICP OES ATM 106	A
END			