


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: 059 Issue date: 10 July 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 |



Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

The Sheffield Assay Office
Issue No: 059 Issue date: 10 July 2025

Testing performed by the Organisation at the locations specified

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 | ICPOES 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 | ICPIES ATM 74 | A |
| | Silver | Potentiometric Titration ATM 11, ICPOES ATM 12 | |
| | Gold | Fire Assay Cupellation ATM 01 | A |
| Precious Metal Powders | Gold, Platinum, Palladium | Lead Fusion/Fire Assay/ ICPOES 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 | ICPOES ATM 79 | A |



Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

The Sheffield Assay Office
Issue No: 059 **Issue date:** 10 July 2025

Testing performed by the Organisation at the locations specified

| 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</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 | ICPOES ATM 150 | A |
| | Carbon Sulphur | Combustion/infra-red Analysis ATM 82 | A |
| | Silver | Potentiometric titration ATM11, ICPOES ATM12 | 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 | ICPOES ATM 101 | A |
| Aluminium alloys | Aluminium, Bismuth, Chromium, Copper, Iron, Gallium, Lithium, Magnesium, Manganese, Molybdenum, Nickel, Lead, Antimony, Silicon, Tin, Titanium, Zinc, Zirconium | ICPOES ATM 102 | A |



0012

Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

The Sheffield Assay Office
Issue No: 059 **Issue date:** 10 July 2025

Testing performed by the Organisation at the locations specified

| 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</u> | Documented In-house methods | |
| Lead/Tin Alloys | Silver, Aluminium, Arsenic, Gold, Bismuth, Cadmium, Copper, Iron, Indium, Nickel, Lead, Palladium, Antimony, Tin, Zinc | ICPOES ATM 72 | A |
| Ferrosilicon Alloys | Aluminium, Barium, Calcium, Chromium, Iron, Magnesium, Manganese, Phosphorus, Silicon, Titanium, Zirconium | ICPOES ATM 166 | A |
| Titanium Alloys | Aluminium, Chromium, Copper, Iron, Molybdenum, Nickel, Niobium, Tantalum, Tin, Titanium, Vanadium, Zirconium | ICPOES 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 |



Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

The Sheffield Assay Office
Issue No: 059 Issue date: 10 July 2025

Testing performed by the Organisation at the locations specified

| 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 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, Cadmium, Calcium, Chromium, Cobalt, Copper, Hafnium, Indium, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Selenium, Tellurium, Tin, Titanium, Thallium, Thorium, Zinc, Zirconium, Mercury | ICP-MS ATM 160 | A |
| Jewellery and related Products | Nickel (releasable) | Acid dissolution followed by ICPOES or ICP MS based On BS EN 1811:2023, BS EN 12472:2020+A1: 2009 (ATM 87, ATM 89) | A |



0012

Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

The Sheffield Assay Office
Issue No: 059 **Issue date:** 10 July 2025

Testing performed by the Organisation at the locations specified

| 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</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 1001-08:1 using ICPOES CPSC-CH-E1001-08.1 CPSC-CH-E1003-09.1 Using ICPMS | A |
| PAINT | <u>Chemical Tests</u> | Documented In-House Methods | |
| | Lead, Cadmium | 16 CFR part 1303: ATM 134 based on CPSC-CH-E1003-09.1 ICPOES CPSC-CH-E1001-08.1 CPSC-CH-E1003-09.1 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 | ICPOES ATM 106 | A |
| Medical Materials | Silver | ICP OES ATM 106 | A |
| Silver Migration into Simulated wound fluid | Silver | ICPOES ATM115 | A |



0012

Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

The Sheffield Assay Office
Issue No: 059 Issue date: 10 July 2025

Testing performed by the Organisation at the locations specified

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used | Location Code |
|--|---|--|---------------|
| 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 | | | |