Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

0667

Accredited to ISO/IEC 17025:2017

Birmingham Assay Office and Anchorcert Analytical (trading names of The Guardians of the Standard of Wrought Plate in Birmingham)

Issue No: 084 **Issue date:** 13 August 2019

1 Moreton Street
Birmingham
B1 3AX

Contact: Michelle Cartwright
Tel: +44 (0)121 262 1057
E-Mail: Michelle.Cartwright@theassayoffice.co.uk
Website: www.assayofficebirmingham.com

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 AnchorCert Analytical 1 Moreton Street Birmingham B1 3AX	**Local contact** Michell Cartwright Tel: +44(0)121 262 1057 Email: Michelle.Cartwright@theassayoffice.co.uk Website: www.anchorcertanalytical.com	Materials sampling and analysis	A
Address Assay Office Birmingham 1 Moreton Street Birmingham B1 3AX	**Local contact** Michell Cartwright Tel +44(0)121 262 1057 Email: Michelle.Cartwright@theassayoffice.co.uk Website: www.assayofficebirmingham.com	Materials sampling and analysis	B
Address Cooksons Sub Office Vittoria Street Birmingham B1 3NZ	**Local contact** No commercial enquiries	Metals sampling and analysis	C
Address Curteis Sub Office Caia Lane Ellesmere Shropshire SY12 9EG	**Local contact** No commercial enquiries	Metals sampling and analysis	D

0667
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

Birmingham Assay Office and Anchorcert Analytical (trading names of The Guardians of the Standard of Wrought Plate in Birmingham)

Issue No: 084 **Issue date:** 13 August 2019

Testing performed by the Organisation at the locations specified

Location details		Activity	Location code
Address Domino Sub-Office 3-8 Vyse Street Birmingham B18 6LT	**Local contact** No commercial enquiries	Metals sampling and analysis	F
Address Hockley Mint Sub Office 65-66 Warstone Lane Birmngham B18 6NG	**Local Contact** No Commercial enquiries	Metals sampling and analysis	G
Address Mumbai Sub Office Unit 101 Andheri Mumbai 400096 India	**Local Contact** No Commercial enquiries	Metals sampling and analysis	H

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
METALS and ALLOYS	Chemical Tests	Documented In-House Methods	
Precious metal plated jewellery and related products Costume jewellery and related products	Nickel (releasable)	Nickel release sample preparation followed by inductively coupled plasma-optical emission spectrometry (ICP-OES) In-House Method 20A based on BS EN 1811:2011+A:2015	A
		Nickel release sample preparation followed by ICP-OES In-House Method 20B based on BS EN 16128:2011	A
	Quick Nickel Release	In-House Method 50A based on BS EN:1811:2011+A1:2015	A
	Nickel (simulated wear and release)	Wear and corrosion sample preparation In-House Method 23 based on BS EN 12472:2005 +A1:2009, Nickel release sample preparation Determination of nickel content by ICP-OES	A
	Metal Release from Jewellery and similar products (e.g. watches and metal clothing accessories). Ni, Cr, Co, Au, Hg, Be, Pd, Mn, Al, Cu, Fe, Mo, Sn, Ti, Pt, Zn.	Metal Release In-house Method 20C	A
Eyewear	Metal Release from Eyewear Ni, Cr, Co, Au, Hg, Be, Pd, Mn, Al, Cu, Fe, Mo, Sn, Ti, Pt, Zn.	Metal Release In-house Method 20B	A
Wrist watches	Determination of levels of toxic substances – Pb, Hg, Cd, Cr(VI), Br.	Documented In House Method IHM 074 - following applicable methodology specified in BS EN 62321:2009 & IEC 62321 - using ICP-OES, XRF and UV-vis	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
METALS and ALLOYS (cont'd)	Chemical Tests (cont'd)	Documented In-House Methods	
Jewellery, watches, textile accessories and related consumer products.	Determnation of Pb and Cd	In-house method 20C followed by In-House method 38A/60A for Lead/Cadmium content determination by ICP-OES	A
Lead in children's products (including children's jewellery)	Lead content 10 ppm to 100%	Documented in house method 60A based on CPSC-CH-E1001-08.3 using ICP-OES and microwave / hot plate dissolution to meet the requirements of CPSIA:2008	A
Lead in non-metal products (including children's products)	Lead content 10 ppm to 100%	Documented in house method 60A based on CPSC-CH-E1002-08.3 using ICP-OES and microwave / fusion dissolution to meet the requirements of CPSIA:2008	A
Lead in paint and surface coatings (including childrens products)	Lead content 10 ppm to 100 %	16 CFR part 1303: Documented in house method 60A based on CPSC-CH-E1003-09.1 using ICP-OES and microwave dissolution to meet the requirements of CPSIA:2008	A
Jewellery Products - Polymers, metals (see metal group 1 list below) and inorganic non-metallic materials (Glass and Ceramics)	Determination of Lead and Cadmium	Documented in house method 60A using acid dissolution (metals), fusion methods (inorganic non metallics) or microwave (polymers) dissolution and ICP-OES to meet the requirements of California's Metal-Containing Jewellery Law	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
METALS and ALLOYS (cont'd)	Chemical Tests (cont'd)	Documented In-House Methods	
Jewellery Products - Polymers, metals (see metal group list 1 below) and inorganic non-metallic materials (Glass and Ceramics)	Determination of Lead and Cadmium	Documented in house method 38A using acid dissolution (metals), fusion methods (inorganic non metallics) or microwave (polymers) dissolution and ICP-OES to meet the requirements of 1907/2006/EC (as amended by 552/2009/EC (and REACH Annex XVII)	A
Stainless Steel, Tin based Alloys, Copper/Zinc Alloys and Precious Metal Alloys (defined at metals group 1)	Quantitative elemental analysis for the determination of Ag, Al, Au, As, B, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Ge, In, Ir, Li,Mg, Mn, Mo, Nb, Ni, P, Pb, Pd, Pt, Rh, Ru, Sb, Se, Si, Sn, Ta, Ti, V, Zn	Acid dissolution followed by ICP-OES determination In-House Method 38	A
	Silver	Potentiometric technique In-House Method 3	A
Stainless Steel, Tin based Alloys, Copper/Zinc Alloys and Precious Metal Alloys (defined at metals group 1) – Cont'd	Gold	Gravimetric technique Acid dissolution followed by inductively coupled plasma-optical emission spectrometry In-House Method 36	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
METALS and ALLOYS (cont'd)	Chemical Tests (cont'd)	Documented In-House Methods	
Precious metal articles for hallmarking	Sampling for the purpose of hallmarking	In-House Methods for sampling IHM 43A and Sub-Office sampling procedure	A B, C, D, F, G, H,
Jewellery	Determination of coating thickness of gold on silver in the range 0.01µm to 20µm	In-house method 70 using XRF	A
METALS and ALLOYS	Chemical Tests for the Purpose of Hallmarking	Documented In-House Methods	
	Gold and platinum	Gravimetric technique and ICP-OES In-House Methods 1, 1A Cupellation method for the determination of Gold based on BS EN 11426: 2016	A
	Silver	Potentiometric technique In-House Method 3	A
	Gold, silver, platinum and palladium determination	In-House Method 43A (head office and sub offices) using X-Ray Fluorescence spectroscopy	B, C, D, F, G, H,
	Gold	In-House Methods 1 and 1A Cupellation method for the determination of Gold based on BS EN 11426: 2016	H

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
MEDICAL/DENTAL MATERIALS	Chemical Tests	Documented In-House Methods	
Dental alloys	Determination of gold and silver	Cupellation (gravimetric determination) In-House Method 1	A
	Quantitative elemental analysis for the determination of Ag, Al, Au, As, B, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Ge, In, Ir, Li, Mg, Mn, Mo, Nb, Ni, P, Pb, Pd, Pt, Rh, Ru, Sb, Se, Si, Sn, Ta, Ti, V, Zn	Acid dissolution followed by ICP-OES determination In-House Method 38	A
Medical Dressings - Calcium Alginate Fabrics	Determination of Silver content	ICP-OES In-House Method 49 (including method validation to ICH document - Q2B: Nov 1996)	A
Medical Dressings and foams	Determination of Silver content	ICP-OES In-House Method 51	A
Arglaes Powder (used in medical fabrics)	Determination of Silver content	ICP-OES In-House Method 55	A
			A

END