Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

UKAS REFERENCE MATERIALS **5824** **Accredited to ISO 17034:2016**	**ROMIL Ltd** **Issue No:** 015 **Issue date:** 02 October 2025	
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Reference material production at the above address		

Flexible Scope

The reference material producer is recognised as competent to modify, develop and produce any reference material within the scope of the areas of competence covered by the general scope, and according to and described in the controlled company confidential procedures. The exhaustive list of reference materials covered under accreditation is maintained by, and available from, the reference material producer.

Information about flexible scopes of accreditation is available in UKAS document GEN 4.

DETAIL OF ACCREDITATION

Matrix / Artefact	Property Value(s) / Identity / Characterisation Range	Characterisation Procedure / Technique	Type* (CRM / RM)
MONO AND MULTI ELEMENT REFERENCE SOLUTIONS Aluminium Antimony Arsenic Arsenic (III) Arsenic (V) Barium Bismuth Boron Carbon Cadmium Caesium Calcium Cerium Chromium(III) Chromium(VI) Cobalt Copper Dysprosium Erbium Europium Gadolinium Gallium Germanium Gold Hafnium Holmium Indium Iron Lanthanum Lead Lithium Lithium-6 Lutetium Magnesium Manganese Mercury Molybdenum Neodymium Nickel Niobium Palladium	Concentration 0.001 mg/l to 50 000 mg/l at 20ºC	Measurement for each by a single primary definitive method at ROMIL	CRM

Matrix / Artefact	Property Value(s) / Identity / Characterisation Range	Characterisation Procedure / Technique	Type* (CRM / RM)
MONO AND MULTI ELEMENT REFERENCE SOLUTIONS (cont'd) Phosphorus Platinum Potassium Praseodymium Rhenium Rubidium Samarium Scandium Selenium Silicon Silver Sodium Strontium Sulphur Tantalum Tellurium Terbium Thallium Thorium Thulium Tin Titanium Vanadium Ytterbium Yttrium Zinc Zirconium	Concentration 0.001 mg/l to 50 000 mg/l at 20ºC	Measurement for each by a single primary definitive method at ROMIL	CRM
Other Elements (The organisation holds a flexible scope for characterisation of suitable materials)	Range determination is part of the certification under the flexible scope	Measurement for each by a single primary definitive method at ROMIL	CRM

Matrix / Artefact	Property Value(s) / Identity / Characterisation Range	Characterisation Procedure / Technique	Type* (CRM / RM)
MONO AND MULTI ION REFERENCE SOLUTIONS Acetate Adipate Ammonia Ammonia-N Ammonium Ammonium-N Benzoate Bromate Bromide Butyrate iso-Butyrate Carbonate Chlorate Chloride Chromate Cinnamate Citrate Cyanide Dichromate Fluoride Formate Glutarate Glycolate Iodate Iodide Lactate Malate Maleate Malonate Methanesulphonate Nitrate Nitrate-N Nitrite Nitrite-N Oxalate Perchlorate Phosphate Phosphate-P Phthalate Pivalate Propionate Silica	Concentration 0.001 mg/l to 50 000 mg/l at 20ºC	Measurement for each by a single primary definitive method at ROMIL	CRM

Matrix / Artefact	Property Value(s) / Identity / Characterisation Range	Characterisation Procedure / Technique	Type* (CRM / RM)
MONO AND MULTI ION REFERENCE SOLUTIONS (cont'd) Succinate Sulphate Sulphate-S Sulphide Tartrate Thiocyanate	Concentration 0.001 mg/l to 50 000 mg/l at 20ºC	Measurement for each by a single primary definitive method	CRM
Chlorite	Concentration 0.001 mg/l to 50 000 mg/l at 20°C	Measurement by IC	CRM
Other Ions (The organisation holds a flexible scope for characterisation of suitable materials)	Range determination is part of the certification under the flexible scope	Measurement for each by a single primary definitive method at ROMIL	CRM
Reference Solutions and Liquids with Density Properties	Range 0.85g/ml to 1.62g/ml at 20°C	Measurement by single primary method at ROMIL	CRM
STOICHIOMETRIC REFERENCE MATERIALS Ammonium Cerium(IV) Nitrate Ammonium Cerium(IV) Sulphate 2H2O Arsenic Trioxide Benzoic Acid Calcium Carbonate EDTA di-Sodium salt 2H2O Oxalic Acid 2H2O Potassium Bromide Potassium Chloride Potassium Dichromate Potassium di-Hydrogen Phosphate Potassium Hydrogen Phthalate Potassium Iodate Potassium Iodide Sodium Carbonate Sodium Chloride	Assay (%m/m)	Measurement for each by a single primary definitive method at ROMIL	CRM

Matrix / Artefact	Property Value(s) / Identity / Characterisation Range	Characterisation Procedure / Technique	Type* (CRM / RM)
STOICHIOMETRIC REFERENCE MATERIALS (cont'd) Sodium Dodecyl Sulphate Sodium Oxalate Sulphamic Acid Tris(hydroxymethyl)methyl amine Zinc	Assay (%m/m)	Measurement for each by a single primary definitive method at ROMIL	CRM
Other Stoichiometric Reference Materials (The organisation holds a flexible scope for the characterisation of suitable materials)	Assay (%m/m)	Measurement for each by a single primary definitive method at ROMIL	CRM
Bound Nitrogen reference solution Cyanide-complex reference solution Silica reference solution Total Inorganic Carbon reference solution Total Organic Carbon reference solution	Concentration 0.001 mg/l to 50 000 mg/l at 20ºC	Measurement for each by a single primary definitive method at ROMIL	CRM
Other Reference Solutions (The organisation holds a flexible scope for the characterisation of suitable materials)	Range determination is part of the certification under the flexible scope	Measurement for each by a single primary definitive method at ROMIL	CRM
Holmium UV/Vis reference solution	Wavelength at 241.1nm, 278.0nm, 287.5nm, 361.2nm, 416.6nm, 451.3nm, 485.3nm, 537.0nm, 640.8nm	Measurement by a single primary definitive method at ROMIL	CRM
Potassium Dichromate UV/Vis reference solutions	Absorbance at 235nm, 257nm, 313nm, 350nm	Measurement by a single primary definitive method at ROMIL	CRM

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STOICHIOMETRIC REFERENCE MATERIALS (cont'd)			
Other UV/VIS Reference Solutions (The organisation holds a flexible scope for the characterisation of suitable materials)	Absorbances are part of the certification under the flexible scope	Measurement for each by a single primary definitive method at ROMIL	CRM
Alkalinity reference solution	Concentration 0.001 mg/l to 50 000 mg/l at 20ºC	Measurement by a single primary definitive method at ROMIL	CRM
CONDUCTIVITY REFERENCE SOLUTIONS			
Potassium Chloride solutions	Electrical conductivity at 25ºC 84 µS/cm, 147µS/cm, 1408µS/cm,1413µS/cm, 12880µS/cm, 111342µS/cm	Measurement by a single primary definitive method at ROMIL (electrical conductivity)	CRM
Potassium Chloride solutions	Measured electrical Conductivity at 25ºC 50-100 000 µS/cm	Measurement by a single Definitive method at ROMIL (electrical conductivity)	CRM
Other Conductivity Reference Solutions (The organisation holds a flexible scope for the characterisation of suitable materials)	Range determination is part of the certification under the flexible scope	Measurement for each by a single primary definitive method at ROMIL	CRM
AQUEOUS BUFFER SOLUTIONS	pH 1 to pH 13	Measurement by pH meter	CRM

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COLOUR REFERENCE SOLUTIONS			
Platinum-Cobalt solution	Colour value 500 Pt-Co units	Measurement by a single primary definitive method at ROMIL	CRM
Other Colour Reference Solutions (The organisation holds a flexible scope for the characterisation of suitable materials)	Range determination is part of the certification under the flexible scope	Measurement for each by a single primary definitive method at ROMIL	CRM
TRACEABLE VOLUMETRIC REAGENTS Acetic Acid Ammonia (organic solution) Ammonium Hydroxide Ammonium Thiocyanate Barium Hydroxide Calcium Chloride Cerium(IV) Sulphate Dodecylbenzenesulphonic Acid EDTA di-Sodium salt Hyamine Hydrochloric Acid Hydrofluoric Acid Iodine Nitric Acid Oxalic Acid Perchloric Acid (organic solution) Potassium Bromate/Bromide Potassium Chloride Potassium Dichromate Potassium Hydroxide (aqueous) Potassium Hydroxide (organic solution) Potassium Iodate Potassium Iodate/Iodide Potassium Methoxide Potassium Permanganate	Concentration Expressed as Molarity at 20°C	Measurement for each by a single primary definitive method at ROMIL	CRM

Matrix / Artefact	Property Value(s) / Identity / Characterisation Range	Characterisation Procedure / Technique	Type* (CRM / RM)
TRACEABLE VOLUMETRIC REAGENTS (cont'd) Potassium Thiocyanate Silver Nitrate Sodium Arsenite Sodium Carbonate Sodium Chloride Sodium Dodecyl Sulphate Sodium Hydroxide Sodium Thiosulphate Sulphuric Acid Zinc Acetate	Concentration Expressed as Molarity at 20°C (cont'd)	Measurement for each by a single primary definitive method at ROMIL	CRM
Other volumetric reagents (The organisation holds a flexible scope for the certification of suitable materials)	Concentration Expressed as Molarity at 20°C	Measurement for each by a single primary definitive method at ROMIL	CRM
END			

***Type**
CRM = Certified Reference Material(s)
RM = Reference Material(s)
Refer to ISO 17034 for full definitions