


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>4005</p> <p>Accredited to ISO Guide 34:2000</p>	LGC Ltd	
	Issue No: 002	Issue date: 01 April 2008
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Reference material production at the above address		

DETAIL OF ACCREDITATION

Matrix / Artefact	Property Value(s) / Identity / Characterisation Range	Characterisation Procedure / Technique
<u>Special Alloys</u> Auto Catalysts	Pt - trace to % levels Pd - trace to % levels Rh - trace to % levels	Measurement by a single, primary, definitive method at LGC (ICP-IDMS)
<u>Pure Organic Compounds</u> Organic Chemicals	Purity (% m/m) Melting Point (30-300°C) Flash Point (20-60°C)	Measurement by two or more independent reference methods at LGC. Methods selected from DSC, HPLC, GC-FID, GC-MS, Titration, plus Karl Fischer (volumetric and Coulometric). Measurement by a single, primary, definitive method at an NMI laboratory (Contact Thermometry)
Calibration Solutions	Polychlorinated Biphenyls	Measurement by a single, primary, definitive method at LGC (GC-IDMS) And/or Measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy



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<p><u>Foodstuffs</u></p> <p>Alcoholic Beverages (wines, spirits, lagers)</p> <p>Basic and Composite Foods Including: Meats and Meat Products Dairy Products Bread and Bakery Products Cereals and Cereal Products Confectionery Soft Drinks Dried Food Products Fruit and Vegetable Products Dry vegetation Animal Feeds</p> <p>Meats</p> <p>Food Supplements</p> <p>Herbal Medicines</p>	<p>Alcoholic Strength (%ABV)</p> <p>Congeners</p> <p>Elements Proximates Additives, contaminants and preservatives including: Sugars Sulfur Dioxide Artificial Colours Antioxidants Sweeteners Degrees Brix Refractive Index</p> <p>Species Identification</p> <p>Selenium (Content and Speciation)</p> <p>Organics</p>	<p>Measurement by a single, primary, definitive method at LGC laboratory (pycnometry) and: Measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy</p> <p>Measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy</p> <p>Measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy</p> <p>Measurement in a single laboratory, using a variety of methods of demonstrable accuracy (DNA, Elisa and reputable source)</p> <p>Measurement by a single, primary, definitive method at LGC (HPLC-IDMS and GC-IDMS)</p> <p>Measurement by a single, primary, definitive method at LGC (HPLC-IDMS and GC-IDMS) and measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy</p>



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<u>Foodstuffs (cont'd)</u>		
Herbal Medicines (cont'd)	Inorganics	Measurement by a single, primary, definitive method at LGC (ICP-IDMS) and measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy
<u>Petroleum Products</u>		
Diesel and Gasoline	Sulfur (Trace to % Levels)	Measurement by a single, primary, definitive method at LGC (ICP-IDMS)
<u>Soils, Sludges and Sediments</u>		
Soils, Sludges, Sediments	Inorganics (Trace to % Levels)	Measurement by a single, primary, definitive method at LGC (ICP-IDMS) And/or Measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy
	Organics (Trace to % Levels)	Measurement by a single, primary, definitive method at LGC (GC-IDMS, HPLC-IDMS) And/or Measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy
<u>Ashes</u>		
Fuel Ash	Inorganics (Trace to % Levels)	Measurement by a single, primary, definitive method at LGC (ICP-IDMS) And/or Measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy



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<u>Waters</u> Drinking Water, River Water, Estuarine Water, Rain Water, Leachates	Elements (Trace to % Levels) Anions (Trace to % Levels)	Measurement by a single, primary, definitive method at LGC (ICP-IDMS) And/or Measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy Measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy
<u>Clinical Laboratory Materials</u> Whole Blood Serum	Ethanol (mg/100ml) Electrolytes and elements (Li, Na, K, Ca, Mg) Organics (including creatinine, testosterone and digoxin)	Measurement by a single, primary, definitive method at LGC (GC-C-ID-IRMS) Measurement by a single, primary, definitive method at LGC (ICP-IDMS) And/or Measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy Measurement by a single, primary, definitive method at LGC (GC-IDMS and LC- IDMS) And/or Measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy



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<u>Drugs of Abuse in Urine</u> Freeze Dried Urine	Drugs of Abuse	Measurement by a single, primary, definitive method at LGC (GC-IDMS) And/or Measurement by a network of qualified laboratories using a variety of methods of demonstrable accuracy
<u>Ethanol Reference Standards</u> Forensic Ethanol Solutions Ethanol/Water Reference Spirits	Ethanol (mg/100ml) Density (kg/m ³) Alcoholic Strength (%ABV)	Measurement by a single, primary, definitive method at LGC (GC-C-ID-IRMS and/or Potassium Dichromate Titration) Measurement by a single, primary, definitive method at LGC (Pycnometry) Taken to be the % alcohol by volume corresponding to that density from the Official Laboratory Alcohol Table (RDC80/267/04), Issued under the authority of the UK HM Customs & Excise
<u>Optical Properties</u> UV/Vis Cuvettes and Solutions IR Cuvettes and Solutions	Wavelength and Absorbance Wavelength	Measurement by a single, primary, definitive method in a single laboratory Measurement by a single, primary, definitive method in a single laboratory
	END	