

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



4164

Accredited to
ISO/IEC 17025:2005

Yara UK Ltd Incorporating Yara Analytical Services and Lancrop Laboratories

Issue No: 008 Issue date: 26 October 2016

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Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SOILS	<p><u>Chemical Tests</u></p> <p>pH</p> <p>Magnesium Potassium</p> <p><u>Metals:</u> Arsenic Barium Beryllium Cadmium Cobalt Chromium Copper Molybdenum Nickel Lead Tin Vanadium Zinc</p>	<p>Documented In-house methods - P03.01 (Macauley method using CaCl₂ as extractant) P18 (Irish Method using Water as extractant) L03 (Buffer Method using SMP (Shoemaker-McLean-Pratt) buffer as extractant) - all using pH meter</p> <p>Documented In-house methods M04.01 using a Morgan's extraction and ICP-OES; and C01 using a 1M Ammonium Nitrate extraction and ICP-OES</p> <p>Documented In-house method 1.16 using aqua regia microwave extraction and ICP-OES</p>



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Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SOILS (cont'd)	Phosphorus	Documented In-house methods M04.02 using a Morgan's extraction and discrete colorimetric analysis; and P06 using an Olsens extraction and discrete colorimetric analysis
	Organic Matter	Documented In-house method O04 by loss on ignition at 500 °C
BIOTA/VEGETATION/PLANT TISSUE	Total N	Documented In-house method (based on Dumas method) N11 using LECO CNS analyser
Plant material	Boron, Calcium, Cobalt, Copper, Iron, Potassium, Magnesium, Manganese, Molybdenum, Sodium, Phosphorus, Sulphur Zinc	Documented In-house method 1.17 using microwave digestion with Nitric acid analysis by ICP-OES

END