

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS TESTING</p> <p>4164</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>Yara UK Ltd Incorporating Yara Analytical Services and Lancrop Laboratories</p> <p>Issue No: 013 Issue date: 21 April 2021</p>	
	<p>Manor Place Wellington Road The Industrial Estate Pocklington York YO42 1DN</p>	<p>Contact: Mr Jonathan Telfer Tel: +44 (0)1759 305 116 Fax: +44 (0)1759 303650 E-Mail: Jonathan.telfer@yara.com Website: www.lancrop.com www: yara.com/analysis</p>
<p>Testing performed at the above address only</p>		

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 - P19 (Macauley method using CaCl₂ as extractant) P18 (Irish Method using Water as extractant)</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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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SOILS (cont'd)	<u>Chemical tests</u> Phosphorus Organic Matter	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 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
WATERS		
Raw (Ground & Surface water)	Dissolved Metals: Boron Calcium Copper Iron Phosphorus Potassium Magnesium Manganese Molybdenum Sodium Sulphur Zinc	Documented In-house method W02 using ICP-OES



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WATERS (Cont'd) Raw (Ground & Surface water)	Chemical tests Ammoniacal nitrogen Bicarbonate Chloride Nitrate nitrogen pH Electrical conductivity	Documented In-house method W03 using discrete colorimetric analysis Documented In-house method W05 using pH electrode Documented In-house method W04 determined by calculation
END		