

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>2334</b>  Accredited to <b>ISO/IEC 17025:2017</b>	<b>NRM Laboratories, a trading division of Cawood Scientific Limited</b>	
	Issue No: 061    Issue date: 19 April 2024	
	<b>Braziers Lane Bracknell Berkshire RG42 6NS</b>	<b>Contact: Dr Kieran McNally Tel: +44 (0)1344 898462 E-Mail: <a href="mailto:compliance@nrm.uk.com">compliance@nrm.uk.com</a> Website: <a href="http://www.nrm.uk.com">www.nrm.uk.com</a></b>

**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
<b>Address</b> Braziers Lane Bracknell Berkshire RG42 6NS	<b>Local contact</b> Dr Kieran McNally  Tel: +44 (0)1344 898462 E-Mail: <a href="mailto:compliance@nrm.uk.com">compliance@nrm.uk.com</a>	Analysis of soils, sludges, compost, incinerator bottom ash, food and feed	A
<b>Address</b> Brecklands Estate Downham Road Swaffham PE37 7QE	<b>Local contact</b> Robyn Rudland  Tel: +44 (0)1760 720750 E-Mail: <a href="mailto:compliance@nrm.uk.com">compliance@nrm.uk.com</a>	Analysis of soils Preparation of soils for analysis at site A	B



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SOILS	<u>Chemical Tests</u>	Documented In-House Methods:	
	Metals:	JAS-0510 (aqua regia hotblock extraction) and analysis by JAS-0300 (ICP-OES)	A
	Arsenic		
	Barium		
	Beryllium		
	Cadmium		
	Chromium		
Cobalt			
Copper			
Lead			
Molybdenum			
Mercury			
Nickel			
Vanadium			
Zinc			
Selenium		JAS-0510 (aqua regia hotblock extraction) and analysis by JAS-0455 (hydride atomic fluorescence spectroscopy)	A
Ammonium Lactate – extractable Ca K Mg P		Documented in-house method SOP JAS-628 (extraction) and JAS-300 (ICP-OES analysis)	A
Calcium (Available)		JAS-0684 (ammonium nitrate extraction and determination by ICP-OES)	A
Magnesium (Available)			
Potassium (Available)			
Phosphorous (Available)		JAS-0683 (Olsens (sodium bicarbonate) extraction) analysis by discrete analyser (colorimetry)	A
Fluoride, 1:10 acid extractable		Documented in-house method JAS-487 by acid extraction and ISE.	A



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SOILS (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods:	
	Organic Matter	JAS-697 using Thermogravimetric Robotic system and ignition at 430°C	A
	pH	Documented in-house method JAS-630 by pH meter.	A
	Sulphur	JAS-685 extraction in calcium dihydrogen orthophosphate and measurement using ICP-OES	A
	pH	JAS-0398 extraction in water (1:2.5) and analysis by potentiometry (pH meter)	B
	Magnesium (Available) Potassium (Available)	JAS-0544 (ammonium nitrate extraction) and JAS-0528 (determination by ICP-OES)	B
	Organic Matter by Loss on Ignition (500°C)	JAS-0529 by Gravimetry to meet the requirements of Irish SI No. 31 of 2014 Schedule 1	B
	Phosphorous (Available)	JAS-0543 (Olsens (sodium bicarbonate) extraction) and JAS-400 (determination by flow injection analysis)	B
	Extractable Phosphate	JAS-0545 (Morgans (sodium acetate) extraction) and JAS-0679 (determination by discrete analyser) to meet the requirements of Irish SI No. 31 of 2014 Schedule 1	B
	Potassium Magnesium	JAS-0545 (Morgans (sodium acetate) extraction) and JAS-0527 (determination by ICP-OES)	B
pH in Sikora Buffer extract	JAS-0490 extraction in Sikora Buffer and analysis by potentiometry (pH meter)	B	



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Sludges and compost	<u>Chemical Tests (cont'd)</u> Metals: Arsenic Cadmium Chromium Copper Lead Manganese Mercury Molybdenum Nickel Selenium Zinc	Documented In-House Methods:  Documented in-house methods JAS-533 (preparation), JAS-510 (digestion) and JAS-379 (ICP-MS analysis).	A
Incinerator Bottom Ash (IBA)	Metals: Copper Lead Nickel Zinc	JAS-0510 (aqua regia hotblock extraction) and analysis by JAS-0300 (ICP-OES)	A
END			