


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>28871</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>Eurofins Agro Testing UK Limited</h3> <p>Issue No: 004 Issue date: 09 September 2024</p>	
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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
SEDIMENTS, SLUDGES AND ORGANIC WASTE	<u>Chemical Tests</u> Aqua Regia Soluble elements as listed below: Aluminium Calcium Cadmium Copper Chromium Iron Lead Magnesium Manganese Nickel Molybdenum Phosphorus Potassium Sodium Sulphur Zinc	Documented In-house Methods unless otherwise stated SOP/ICPOES & SOP/AquaRegiaDigest – Reverse Aqua Regia microwave digested (total) trace elements using ICP-OES.
SOILS, SEDIMENTS, SLUDGES AND ORGANIC WASTE	Fluoride	SOP/Extractable F – Sulphuric acid soluble Fluoride using Ion selective electrode
SOIL	pH Lime Requirement (by calculation)	SOP/GPSpH – Using a CaCl ₂ extraction and SKALAR automated pH robot.
LIMING MATERIALS	Neutralising Value	SOP/NeutralisingValue – Acid/Base Titration based on UK Statutory Instrument SI 1991, No 973
SOILS	Organic Matter (Loss on ignition)	SOP/ASH – Using gravimetry



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SOILS (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented In-house Methods unless otherwise stated
	Arsenic Cadmium Chromium Copper Lead Mercury Molybdenum Nickel Selenium Zinc	SOP/AquaRegiaDigest, SOP/ICPMSAquaRegia & SOP/ICPMS – Reverse Aqua Regia soluble trace (total) elements using ICP-MS
	Boron (Hot CaCl ₂ extractable)	SOP/ExtractableB & SOP/ICPOES - Using ICP-OES
	<u>Extractable elements as follows:</u>	SOP/SoilExtractables & SOP/ICPOES – using ICP-OES
	Potassium Magnesium	Using ammonium nitrate (ADAS method) as extractant
	Calcium Magnesium Potassium Sodium	Using ammonium acetate / acetic acid (Modified Morgan's method) as extractant
	Cobalt	Using acetic acid as extractant
	Sulphur	Using calcium tetrahydrogen di-orthophosphate (MCP) as extractant
	Copper Zinc	Using EDTA as extractant
	<u>Extractable elements as follows:</u>	SOP/SoilExtractables by spectrometry using discrete colorimetric analyser
Phosphorus (from Orthophosphate)	Using sodium bicarbonate (OlsensP method) as extractant	



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	<u>Chemical Tests</u> (cont'd)	Documented In-house Methods unless otherwise stated
SOILS (cont'd)	Phosphorus (from Orthophosphate)	Using ammonium acetate / acetic acid (MorgansP method) as extractant
VETERINARY TISSUE	Copper	SOP/NitricAcidDigest &SOP/ICPOES – Nitric Acid digested tissue analysed by ICP-OES
	Lead	SOP/NitricAcidDigest & SOP/ICPMS & SOP/ICPMSNitricAcid - Nitric Acid digested tissue analysed by ICP-MS
SERUM	Copper Zinc	SOP/SerumPlasma - prepared in Hydrochloric acid and analysed by ICP-MS
WHOLE BLOOD	Lead Manganese	SOP/WholeBlood - prepared in an alkali matrix and analysed by ICP-MS
PLANT TISSUE, ANIMAL FEED FORAGE, CONCENTRATES AND COMPLETE DIETS	Dry matter Ash	SOP/ASH - Dry Matter using oven drying at 100°C Ash by microwave muffle furnace combustion at 550°C
PLANT TISSUE, ANIMAL FEEDS AND ANIMAL TISSUE	Arsenic Cadmium Cobalt Selenium Molybdenum Lead	SOP/NitricAcidDigest & SOP/ICPOES - Nitric Acid digestion followed by ICP-OES



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PLANT TISSUE, ANIMAL FEEDS AND ANIMAL TISSUE (cont'd) ANIMAL FEED FORAGE, CONCENTRATES AND COMPLETE DIETS FORAGES	<u>Chemical Tests</u> (cont'd) Boron Calcium Copper Iron Magnesium Manganese Phosphorus Potassium Sodium Sulphur Zinc Crude Fibre Acid detergent fibre Neutral detergent fibre Neutral cellulase and gammanase digestibility Starch Total Sugars Chloride	Documented In-house Methods unless otherwise stated SOP/NitricAcidDigest & SOP/ICPMS & SOP/ICPMSNitricAcid - Nitric Acid Digestion followed by ICP-OES SOP/CrudeFibre - Gravimetric fibre cap analysis SOP/AcidDetergentFibre - Gravimetric fibre cap analysis SOP/NeutralDetergentFibre - Gravimetric fibre cap analysis SOP/NeutralCellulase&Gamma naseDigestibility - Gravimetric fibre cap analysis based on Maff PB1285 SOP/Starch - Starch determination by Polarimetry SOP/TotalSugars - Total Sugars by Luff School I Titration SOP/Chloride - by colourmetric titration
END		