

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



2260

Accredited to
ISO/IEC 17025:2017

Aberystwyth University - Institute of Biological Environmental and Rural Studies (IBERS)

Issue No: 015 Issue date: 28 September 2023

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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
PLANT MATERIAL and ANIMAL FEED	<u>Chemical Tests</u>	Documented In-House Method:
	Acid detergent fibre	STM 017 using the Gerhardt Fibrecap system
	Ash	STM 015 by gravimetric determination
	Extractable phosphorus	STM 012 by colorimetry following extraction by STM 010 (dry ashing)
	Neutral detergent fibre	STM 016 using the Gerhardt Fibrecap system
	Oil (Free)	STM 021 using the Soxtec system
	Oil (total)	STM 022 by Acid Hydrolysis
PLANT MATERIAL, ANIMAL FEED and SOIL	Sodium, potassium, calcium and magnesium	STM 011 by ICP-AES following extraction by STM 010 (dry ashing)
	Water-soluble carbohydrates	STM 013 by an automated anthrone method
	Residual dry matter	STM 014 by gravimetric determination
PLANT MATERIAL, ANIMAL FEED, SOIL, MILK and URINE	Total nitrogen	STM 009 using the Leco analyser



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SOIL	<u>Chemical Tests</u> (cont'd) Extractable phosphorus Loss on ignition - Organic matter - Organic carbon Phosphate-Phosphorus Sodium, potassium, calcium and magnesium Ammonium and nitrate-nitrogen	Documented In-House Method: STM 008 by colorimetry STM 004 by loss on ignition - by calculation - by calculation STM 003 by colorimetry following STM 001 (acetic acid extraction) STM 002 by ICP-AES following STM 001 (acetic acid extraction) STM 006 by colorimetry
END		