


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>Accredited to ISO/IEC 17025:2005</p>	<b>Aberystwyth University - Institute of Biological Environmental and Rural Studies (IBERS)</b>	
	<b>Issue No: 006      Issue date: 12 August 2010</b>	
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<b>Testing performed at the above address only</b>		

### 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 cellulase Gamanase Digestibility	STM 019 using the Gerhardt Fibrecap system
	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
	Sodium, potassium, calcium and magnesium	STM 011 by ICP-AES following extraction by STM 010 (dry ashing)
Starch	STM 020 by an automated anthrone method	
Water-soluble carbohydrates	STM 013 by an automated anthrone method	



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**Issue No: 006 Issue date: 12 August 2010**

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
PLANT MATERIAL, ANIMAL FEED and SOIL  PLANT MATERIAL, ANIMAL FEED ,SOIL, MILK and URINE  SILAGE and SUPERNATANTS  SOIL	<u>Chemical Tests</u> (cont'd)	Documented In-House Method:
	Residual dry matter	STM 014 by gravimetric determination
	Total nitrogen and protein	STM 009 using the Leco analyser
	Volatile fatty acids	STM 023 by gas chromatography
	Extractable phosphorus	STM 008 by colorimetry
	Loss on ignition - Organic matter - Organic carbon	STM 004 by loss on ignition - by calculation - by calculation
	Organic carbon	STM 005 by oxidation
	Phosphate-Phosphorus	STM 003 by colorimetry following STM 001 (acetic acid extraction)
	Potassium and magnesium	STM 007 by ICP-AES following ammonium nitrate extraction
	Sodium, potassium, calcium and magnesium	STM 002 by ICP-AES following STM 001 (acetic acid extraction)
Ammonium and nitrate-nitrogen	STM 006 by colorimetry	

END