


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS TESTING 2504</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>Minerva Scientific Ltd</p> <p>Issue No: 038 Issue date: 08 September 2025</p>	
	<p>Minerva House Unit 2 Stoney Gate Road Spondon Derbyshire DE21 7RY</p>	<p>Contact: Mr Jay Madden Tel: +44 (0)1332 404523 E-Mail: minerva.admin@tentamus.com Website: www.minervascientific.co.uk</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
FOOD AND ANIMAL FEEDINGSTUFFS	<p><u>Chemical Tests</u></p> <p>Organic and inorganic contaminants (naturally occurring and process related contaminants including mycotoxins, pesticide residues, antibiotics, veterinary drugs and metals)</p> <p>Additives</p>	<p>Documented in-house method</p> <p>Management of Flexible scope and development of validated methods in accordance with TECHSOP 037 using single laboratory validation protocol for the sample preparation/ techniques combinations:</p> <p>Sample preparation Solid phase extraction Solvent extraction Derivatisation ELISA GC with ECD, NPD, FPD, MS, MS/MS detection Headspace GC, HPLC and Ion chromatography with Fluorescence, RI, MS, MS/MS, UV-Vis, Diode Array, electrochemical detection, elemental analyser UV-Vis/Colorimetric Assay Inductively Coupled Plasma Mass Spectrometry (ICP-MS)</p>
FOOD AND ANIMAL FEEDINGSTUFFS Herbs, teas and spices	<p><u>Chemical Tests</u></p> <p>Ochratoxin A</p> <p>Aflatoxins B₁, B₂, G₁, G₂ and Total Aflatoxins</p>	<p>Documented in-house method</p> <p>TOX 17 using LC MS/MS</p> <p>TOX 18 using LC MS/MS</p>



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FOOD AND ANIMAL FEEDINGSTUFFS (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented in-house methods (cont'd)
- Cereals	Fumonisin	TOX 13 using LC-MS/MS
	Trichothecene Mycotoxins	TOX 12 using LC/MS/MS
	Nivalenol	
	Deoxynivalenol (DON or Vomitoxin)	
	3-Acetyldeoxynivalenol	
	15-Acetyldeoxynivalenol	
	Fusarenone X	
	Neosolaniol	
	Diacetoxyscirpenol	
	T2-Triol	
	HT-2	
	T-2	
FOOD	Ochratoxin A	TOX 19 using LC MS/MS
	Zearalenone	TOX 20 using LC MS/MS
	Aflatoxin B and G	TOX 21 using LC MS/MS
Milk and milk products	Aflatoxin M1	TOX 22 using LC MS/MS



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FOOD AND ANIMAL FEEDINGSTUFFS (cont'd) Honey	<u>Chemical Tests</u> (cont'd) Chloramphenicol Fluoroquinolone and Quinolone antibiotics: Ciprofloxacin Danofloxacin Difloxacin Enoxacin Enrofloxacin Fleroxacin Flumequine Lomefloxacin Marbofloxacin Norfloxacin Ofloxacin Sarafloxacin Sparfloxacin Macrolide and Aminoglycoside antibiotics: Clindamycin Erythromycin A Josamycin Leucomycin hydrate Lincomycin Ormethoprim Roxithromycin Spiramycin I Tiamulin Tilmicosin Trimethoprim Tylosin A Tylosin B Nitrofurantoin metabolites: 1-Amino hydroantoin (AHD) AMOZ AOZ Semicarbazide (SEM) Streptomycin and Dihydrostreptomycin	Documented in-house methods (cont'd) VETRES 02 using ELISA VETRES 10 using LC/MS/MS VETRES 09 using LC/MS/MS VETRES 08 using LC/MS/MS VETRES 14 using LC/MS/MS



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HONEY (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented in-house methods (cont'd)
	Hydroxymethylfurfural (HMF)	NUT02 using UV/Vis spectrophotometry NUT29 using HPLC
	Methyl Anthranilate	NUT28 using LC-MS/MS
	Rice syrup marker (3-Acetylfuran-3-Glucopyranoside)	NUT15 using LC-MS/MS
	Nitroimidazoles: Dimetridazole Dimetridazole-OH Ipronidazole Ipronidazole-OH Metronidazole Metronidazole-OH Ronidazole	VETRES15 by LC-MS/MS
	pH & free acidity	NUT09 using pH meter
	Water	NUT08 using Refractometer
	Sugars (glucose, fructose, sucrose)	NUT01 using Ion Chromatography with electrochemical detector
	% C4 sugar content based on 12C/13C stable isotopic ratio	NUT05 using Stable Carbon Elemental Analyser Isotope Ratio Mass Spectrometry
	C3 sugars	NUT34 using LC-IRMS
	β-Fructofuranoside	NUT16 using HPLC-RI
	Metals: Arsenic Cadmium Lead Mercury	MET-01 using ICP MS

END