


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>Accredited to ISO/IEC 17025:2017</b></p>	<p style="text-align: center;"><b>Minerva Scientific Ltd</b></p> <p style="text-align: center;"><b>Issue No: 037    Issue date: 29 May 2025</b></p> <table border="1" style="width: 100%;"> <tr> <td style="width: 50%;"> <b>Minerva House</b>  <b>Unit 2</b>  <b>Stoney Gate Road</b>  <b>Spondon</b>  <b>Derbyshire</b>  <b>DE21 7RY</b> </td><td style="width: 50%;"> <b>Contact: Mr Jay Madden</b>  <b>Tel: +44 (0)1332 890384</b>  <b>Fax: +44 (0)1332 666040</b>  <b>E-Mail: minerva.admin@tentamus.com</b>  <b>Website: www.minervascientific.co.uk</b> </td></tr> </table>	<b>Minerva House</b> <b>Unit 2</b> <b>Stoney Gate Road</b> <b>Spondon</b> <b>Derbyshire</b> <b>DE21 7RY</b>	<b>Contact: Mr Jay Madden</b> <b>Tel: +44 (0)1332 890384</b> <b>Fax: +44 (0)1332 666040</b> <b>E-Mail: minerva.admin@tentamus.com</b> <b>Website: www.minervascientific.co.uk</b>
<b>Minerva House</b> <b>Unit 2</b> <b>Stoney Gate Road</b> <b>Spondon</b> <b>Derbyshire</b> <b>DE21 7RY</b>	<b>Contact: Mr Jay Madden</b> <b>Tel: +44 (0)1332 890384</b> <b>Fax: +44 (0)1332 666040</b> <b>E-Mail: minerva.admin@tentamus.com</b> <b>Website: www.minervascientific.co.uk</b>		
<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
<b>FOOD AND ANIMAL FEEDINGSTUFFS</b>	<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>
<b>FOOD AND ANIMAL FEEDINGSTUFFS</b>  Herbs, teas and spices	<p><u>Chemical Tests</u></p> <p>Ochratoxin A</p> <p>Aflatoxins B<sub>1</sub>, B<sub>2</sub>, G<sub>1</sub>, G<sub>2</sub> 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)	<u>Chemical Tests</u> (cont'd)	Documented in-house methods (cont'd)
Honey	Chloramphenicol	VETRES 02 using ELISA
	Fluoroquinolone and Quinolone antibiotics: Ciprofloxacin Danofloxacin Difloxacin Enoxacin Enrofloxacin Fleroxacin Flumequine Lomefloxacin Marbofloxacin Norfloxacin Ofloxacin Sarafloxacin Sparfloxacin	VETRES 10 using LC/MS/MS
	Macrolide and Aminoglycoside antibiotics: Clindamycin Erythromycin A Josamycin Leucomycin hydrate Lincomycin Ormethoprim Roxithromycin Spiramycin I Tiamulin Tilmicosin Trimethoprim Tylosin A Tylosin B	VETRES 09 using LC/MS/MS
	Nitrofurantol metabolites: 1-Amino hydroantoin (AHD) AMOZ AOZ Semicarbazide (SEM)	VETRES 08 using LC/MS/MS
	Streptomycin and Dihydrostreptomycin	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		