


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>2504</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>Minerva Scientific Ltd</h3> <p>Issue No: 036 Issue date: 22 February 2024</p>	
	<p>Minerva House Unit 2 Stoney Gate Road Spondon Derbyshire DE21 7RY</p>	<p>Contact: Mr Jay Madden Tel: +44 (0)1332 890384 Fax: +44 (0)1332 666040 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) - Cereals	<u>Chemical Tests</u> (cont'd) Fumonisin Trichothecene Mycotoxins Nivalenol Deoxynivalenol (DON or Vomitoxin) 3-Acetyldeoxynivalenol 15-Acetyldeoxynivalenol Fusarenone X Neosolaniol Diacetoxyscirpenol T2-Triol HT-2 T-2	Documented in-house methods (cont'd) TOX 13 using LC-MS/MS TOX 12 using LC/MS/MS
FOOD	Ochratoxin A Zearalenone Aflatoxin B and G	TOX 19 using LC MS/MS TOX 20 using LC MS/MS TOX 21 using LC MS/MS
Milk and milk products	Aflatoxin M1	TOX 22 using LC MS/MS



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

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