


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>2504</b>  Accredited to <b>ISO/IEC 17025:2017</b>	<b>Minerva Scientific Ltd</b>	
	<b>Issue No: 036    Issue date: 22 February 2024</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
FOOD AND ANIMAL FEEDINGSTUFFS	<u>Chemical Tests</u>  Organic and inorganic contaminants (naturally occurring and process related contaminants including mycotoxins, pesticide residues, antibiotics, veterinary drugs and metals)  Additives	Documented in-house method  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:  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)
FOOD AND ANIMAL FEEDINGSTUFFS  Herbs, teas and spices	<u>Chemical Tests</u>  Ochratoxin A  Aflatoxins B <sub>1</sub> , B <sub>2</sub> , G <sub>1</sub> , G <sub>2</sub> and Total Aflatoxins	Documented in-house method  TOX 17 using LC MS/MS  TOX 18 using LC MS/MS



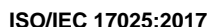
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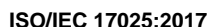
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FOOD AND ANIMAL FEEDINGSTUFFS (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented in-house methods (cont'd)
- Cereals	Fumonisin	TOX 13 using LC-MS/MS
	Trichothecene Mycotoxins	TOX 12 using LC/MS/MS
	Nivalenol	
	Deoxynivalenol (DON or Vomitoxin)	
	3-Acetyldeoxynivalenol	
	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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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  $\beta$ -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
END		