


# 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>Minerva Scientific Ltd</b>  <b>Issue No: 016    Issue date: 17 April 2012</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
FOOD AND ANIMAL FEEDINGSTUFFS	<u>Chemical Tests</u>  Organic contaminants (naturally occurring and process related contaminants including mycotoxins, pesticide residues, antibiotics, veterinary drugs)  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 GC with ECD, NPD, FPD, MS, MS/MS detection Headspace GC, HPLC with Fluorescence, RI, MS, MS/MS detection ELISA
FOOD AND ANIMAL FEEDINGSTUFFS	<u>Chemical Tests</u>  Aflatoxins B <sub>1</sub> , B <sub>2</sub> , G <sub>1</sub> , G <sub>2</sub> and Total Aflatoxins	Documented in-house methods  TOX 01 using HPLC with fluorescence detection
Cereals, Cereal grains and Flours Mixed cereal based matrices (dried) Dried fruits and vegetables Milk & milk products Fresh fruits and vegetables Nuts and nut products Herbs and Spices	Fumonisin B <sub>1</sub> and B <sub>2</sub>	TOX 09 using HPLC with fluorescence detection



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<b>FOOD AND ANIMAL FEEDINGSTUFFS (cont'd)</b>  Cereals, Cereal grains and Flours Mixed cereal based matrices (dried) Dried fruits and vegetables Malt and Malt products Beer, wine and juices Coffee and coffee products  Cereals, Cereal grains and Flours Mixed cereal based matrices (dried)	<u>Chemical Tests (cont'd)</u>  Ochratoxin A  Zearalenone	Documented in-house methods (cont'd)  TOX 03 using HPLC with fluorescence detection  TOX 04 using HPLC with fluorescence detection
<b>FOOD</b>  - Cereals	<u>Chemical Tests</u>  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  TOX 07 using GC/MS TOX 12 using LC/MS/MS
- Liquid Milk	Aflatoxin M <sub>1</sub>	TOX 02a using HPLC with fluorescence detection
- Milk powder	Aflatoxin M <sub>1</sub>	TOX 02b using HPLC with fluorescence detection
- Honey	Chloramphenicol	VETRES 02 using Ridascreen ELISA
- Honey	Dapsone	VETRES 07 using LC/MS/MS



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FOOD (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented in-house methods (cont'd)
- Honey	Fluroquinolone and Quinolone antibiotics: Ciprofloxacin Danofloxacin Difloxacin Enoxacin Enrofloxacin Fleroxacin Flumequine Lomefloxacin Marbofloxacin Nalidixic Acid Norfloxacin Ofloxacin Oxolinic Acid Sarafloxacin Sparfloxacin	VETRES 10 using LC/MS/MS
- Honey	Macrolide and Aminoglycoside antibiotics: Clindamycin Erythromycin A Anhydroerythromycin A Josamycin Leucomycin Lincomycin Spiramycin I Tilmicosin Trimethoprim Tylosin A Tylosin B	VETRES 09 using LC/MS/MS
- Honey	Nitrofurantoin metabolites: 1-Amino hydroantoin (AHD) AMOZ AOZ Semicarbazide (SEM)	VETRES 08 using LC/MS/MS
- Honey	Streptomycin and dihydrostreptomycin	VETRES 14.using LC/MS/MS



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FOOD (cont'd)	<u>Chemical Tests</u> (cont'd)	Documented in-house methods (cont'd)
- Honey	Sulfonamides: Sulfadiazine Sulfapyridine Sulfathiazole Sulfamerazine Sulfamethazine Sulfamethoxypyridazine Sulfachloropyridazine Sulfamethoxazole Sulfadimethoxine	VETRES 03 using HPLC with fluorescence detection
	Sulfonamides: Sulfadiazine Sulfapyridine Sulfathiazole Sulfamerazine Sulfamethazine Sulfamethoxypyridazine Sulfachloropyridazine Sulfamethoxazole Sulfadimethoxine	VETRES 13 using LC-MS/MS
- Honey	Tetracyclines: Oxytetracycline Tetracycline Chlortetracycline Doxycycline	VETRES 06 using HPLC with fluorescence detection
- Honey	Qualitative determination of Tetracyclines	VETRES 11 using Tetrasensor honey kit
- Honey	% C4 sugar content based on 12C/13C stable isotopic ratio	NUT04 & NUT05 using Stable Carbon Isotope Ratio Mass Spectrometry
- Tomatoes and tomato products	Chloromequat	RES 12C using LC-MSMS
	END	