

Schedule of Accreditation



Organisation Name	FBA Laboratories Ltd
Trading As	FBA Laboratories Limited
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Accreditation Standard	EN ISO/IEC 17025 T
Standard Version	2017
Date of award of accreditation	13/04/2010
Scope Classification	Biological and veterinary testing
Scope Classification	Chemical testing
Services available to the public ¹	

¹ Refer to document on interpreting INAB Scopes of Accreditation

Sites from which accredited services are delivered		
(the detail of the accredited services delivered at each site are on the Scope of Accreditation)		
	Name	Address
1	Head Office	Carrigeen Industrial Estate, Cappoquin, Waterford, P51 RW14

Scope of Accreditation

Head Office

Biological and Veterinary Testing

Category: A

Biology/veterinary field - Tests	Test name	Technique	Matrix	Equipment	Std. reference
804 Detection of bacterial, parasite, viral or fungal antigens using specific antibodies and appropriate techniques - .03 Enzyme immunoassay,	Determination of BVD Antigen in Ear Notch Samples by ELISA	ELISA	Ear Notch	Absorbance Reader	Based on IDEXX Bovine Viral Diarrhoea Virus (BVDV) Antigen Test Kit/Serum Plus. In-house method ref.: CM08.
	Determination of BVD Antigen in Individual Ear Notch Samples by IDEXX ELISA using DSX Automated System		Ear Notch	DSX Automated System	Based on IDEXX Bovine Viral Diarrhoea Virus (BVDV) Antigen Test Kit/Serum Plus. In-house method ref.: CM15.
	Determination of BVD Antigen in Serum by ELISA		Serum	Absorbance Reader	Based on IDEXX Bovine Viral Diarrhoea Virus (BVDV) Antigen Test Kit/Serum Plus. In-house method ref.: CM09.
805 Detection and/or identification of bacterial, parasite, fungal and viral nucleic acids using appropriate techniques - .03 Nucleic acid amplification tests, CE marked commercial systems	Determination of BVD Antigen in Individual and Pooled Ear Notch by RT-PCR using Indical kit	PCR	Ear Notch	Real Time PCR Instrument	Based on Indical Virotype BVDV RT-PCR Kit. In-house method ref.: CM13.
	Determination of MAP DNA in Faeces by RT-PCR		Faeces	Real Time PCR Instrument	Based on Indical bactoype MAP PCR Kit. In-house method ref.: CM28
808 Detection of antibody response to infection using appropriate techniques - .02 Enzyme immunoassay, using CE marked commercial systems	Determination of MAP Antibodies in Individual Milk Samples by ID VET ELISA	ELISA	Milk	Absorbance Reader	Based on ID.vet ELISA Kit: ID Screen Paratuberculosis Indirect

					Screening Test. In-house method ref.: CM17.
	Determination of MAP Antibodies in Individual Serum Samples by ID VET ELISA		Serum	Absorbance Reader	Based on ID.vet ELISA Kit: ID Screen Paratuberculosis Indirect Screening Test. In-house method ref.: CM16.

Chemical Testing

Category: A

Chemistry Field - Tests	Test name	Analyte	Range of measurement	Matrix	Equipment/technique	Standard reference/SOP
751 Food testing - .02 Nutritional analysis	Determination of Nitrates and Nitrites in Dry Milk Products	Nitrate	0.7-16.0 mg/kg	Dry Milk Products	Lachat Flow Injection Analysis using cadmium reduction	ISO 14673-3:2004 / IDF 189-3:2004 / CM38
		Nitrite	3.3-200.0 mg/kg	Dry Milk Products	Lachat Flow Injection Analysis using cadmium reduction	ISO 14673-3:2004 / IDF 189-3:2004 / CM38
751 Food testing - .03 Compositional analysis	Determination of Lactose by IC-PAD	Lactose	0.003 to 100g/100g	Milk Powder	IC-PAD. Ion Chromatography with Pulsed Amperometric Detection	Based on Metrohm Application Note AN-P-089
			0.006 to 0.2g/100g	Milk	IC-PAD. Ion Chromatography with Pulsed Amperometric Detection	Based on Metrohm Application Note AN-P-089. In-house method ref.: CM33
752 Chemical residue testing - .04 Pesticide residues	Determination of Chlorate and Perchlorate in Dairy Products by UHPLC-MS/MS	Chlorate and Perchlorate	2.0 - 400.0 µg/kg for both analytes	Milk	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Teagasc accredited method for analysis of Chlorates and Perchlorates in Milk using LC/MS-MS. In-house method reference CM29.
			20.0 - 4000.0 µg/kg for both analytes	Milk powder and skimmed milk powder	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	In-house reference CM29.
			5 - 400.0 µg/kg for both analytes	Skimmed milk concentrate	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	In-house reference CM29.
	Determination of Chlorate and		2.0 - 1000.0 µg/l for both analytes	Potable water	Liquid Chromatography and	In-house reference CM30.

Perchlorate in Water by UHPLC-MS/MS				Mass Spectrometry using UHPLC-MS/MS	
Determination of NOP's, Naturally Occurring Prohibited Substances, in feed samples by UHPLC/MS/MS	Atropine	5 - 200 µg/kg	Feed	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOP's in Feed samples. In house reference CM31.
	Bufotenine	5 - 200 µg/kg	Feed	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOP's in Feed samples. In house reference CM31.
	Caffeine	5 - 200 µg/kg	Feed	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOP's in Feed samples. In house reference CM31.
	DMT (Dimethyltryptamine)	5 - 200 µg/kg	Feed	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOP's in Feed samples. In house reference CM31.
	Hordenine	5 - 200 µg/kg	Feed	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOP's in Feed samples. In house reference CM31.
	Hyoscine	5 - 200 µg/kg	Feed	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOP's

					in Feed samples. In house reference CM31.
	Lupinine	50 - 200 µg/kg	Feed	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOP's in Feed samples. In house reference CM31.
	Morphine	5 - 200 µg/kg	Feed	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOP's in Feed samples. In house reference CM31.
	Theobromine	50 - 200 µg/kg	Feed	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOP's in Feed samples. In house reference CM31.
	Theophylline	5 - 200 µg/kg	Feed	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOP's in Feed samples. In house reference CM31.
Screening of NOPS in Feeds and Feed raw materials by UHPLC-MS/MS	Atropine	≥50ng/g	Animal Feed (products and raw ingredients)	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOPS in Feed samples. In house reference CM36
	Bufotenine	≥50ng/g	Animal Feed (products and raw ingredients)	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOPS

				in Feed samples. In house reference CM36
Caffeine	≥50ng/g	Animal Feed (products and raw ingredients)	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOPS in Feed samples. In house reference CM36
Hordenine	≥50ng/g	Animal Feed (products and raw ingredients)	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOPS in Feed samples. In house reference CM36
Hyoscine/Scopolamine	≥50ng/g	Animal Feed (products and raw ingredients)	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOPS in Feed samples. In house reference CM36
Lupinine	≥50ng/g	Animal Feed (products and raw ingredients)	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOPS in Feed samples. In house reference CM36
Morphine	≥50ng/g	Animal Feed (products and raw ingredients)	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOPS in Feed samples. In house reference CM36
N N-DMT	≥50ng/g	Animal Feed (products and raw ingredients)	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOPS in Feed samples. In house reference CM36
Theobromine	≥50ng/g	Animal Feed (products and raw ingredients)	Liquid Chromatography and	Based on Method Developed by Cordoba University in Spain for

					Mass Spectrometry using UHPLC-MS/MS	the analysis of NOPS in Feed samples. In house reference CM36
		Theophylline	≥50ng/g	Animal Feed (products and raw ingredients)	Liquid Chromatography and Mass Spectrometry using UHPLC-MS/MS	Based on Method Developed by Cordoba University in Spain for the analysis of NOPS in Feed samples. In house reference CM36
766 Environmental testing (inc waters) - .03 Chemical oxygen demand	Determination of Chemical Oxygen Demand (COD)	Chemical Oxygen Demand	3-4500 mg/L O ₂	Waters for potable and domestic purposes, Ground Water, Surface Water, Wastewater	UV-Vis Spectrophotometer	HACH Method 8000: USEPA Reactor Digestion Method / CM21
	Determination of COD	COD	3-1500mg/l O ₂	Sewage Trade Wastes River Waters Surface Waters Leachates	UV-VIS Spectrophotometer, Reactor Block	Based on APHA 2023: 5220D Closed Reflux, Colourimetric Method. In-house ref.: CM21.
766 Environmental testing (inc waters) - .05 Inorganic	Determination of Ammonia Nitrogen in Water	Ammonia	0.033-25 mg N/L	Waters for potable and domestic purposes, Ground Water, Surface Water, Wastewater	Seal AQ400 Discrete Analyser	USEPA Method 350.1 Rev 2.0, APHA Standard Methods 24th Edition (2023): 4500-NH ₃ H, 4500-NH ₃ G / CM43
	Determination of Ortho-phosphate in Water	Ortho-phosphate	0.006-25.0 mg P/L	Waters for potable and domestic purposes, Ground Water, Surface Water, Wastewater	Seal AQ400 Discrete Analyser	USEPA Method 365.1 Rev 2.0, APHA Standard Methods 24th Edition (2023): 4500-P F / CM39
	Determination of Phosphorus & Potassium in Morgan's Extracts of Soil, by Segmented Flow Injection Analysis	Phosphorus and Potassium	1.5-30mg/l as P in soil 28-500mg/l as K in soil	Soil	SEAL Analytical Segmented Flow Injection Analyser	In-house reference CM32
	Determination of Total Nitrogen in Water	Total Nitrogen	0.5-450 mg/L	Waters for potable and domestic purposes, Ground Water, Surface Water, Wastewater	HACH Ganimed N	Based on ISO 11905-1, CM35

	Determination of Total Phosphorus in Water	Total Phosphorus	0.011-40 mg/L	Waters for potable and domestic purposes, Ground Water, Surface Water, Wastewater	HACH Ganimed P	Based on ISO 6878:2004, CM34
767 Physical test/measurement - .01 pH	Determination of pH in Water	pH	pH units 4-10	Waters for potable and domestic use Ground Water Surface Water Wastewater	Benchtop Dual Input, Multi-Parameter Meter	Based on APHA 2023: 4500-H+B. In-house method ref.: CM20.
	pH of Soil in Water & SMP Buffer (for lime requirement)	Water pH of Soil & Buffer pH of Soil	pH 4-7 in aqueous suspension pH 4-7 in acetate buffer (SMP) suspension.	Soil	SEAL Analytical pH meter – ML V3 250L 4pH-soil	In-house reference CM01/CM02.
767 Physical test/measurement - .03 Suspended Solids	Determination of Total Suspended Solids using Gravimetric Method	Total Suspended Solids	0-500 mg/L	Waters for potable and domestic purposes, Ground Water, Surface Water, Wastewater	Gravimetric Method	APHA Standard Methods 24th Edition (2023): 2540 D / CM41
797 Miscellaneous materials and products - .02 Physical tests	Determination of Organic Matter in Soil	Organic Matter	0.7-100%	Soil	Muffle Furnace	Based on Statutory Instrument No. 605 of 2017 (Schedule 1). In-house method reference: CM05.