

# Schedule of Accreditation



Organisation Name	Pelagia Feed (Ireland) Ltd
Trading As	Aqualab
INAB Reg No	75T
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Accreditation Standard	EN ISO/IEC 17025 T
Standard Version	2017
Date of award of accreditation	11/12/1996
Scope Classification	Biological and Veterinary Testing
Scope Classification	Chemical Testing
Services available to the public <sup>1</sup>	Yes

<sup>1</sup> 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)

	<b>Name</b>	<b>Address</b>
1	Head Office	Donegal Road, Killybegs, Donegal, F94 V8CT

# Scope of Accreditation

## Head Office

### Biological and Veterinary Testing

Category: A

Biology/veterinary field - Tests	Test name	Technique	Matrix	Equipment	Std. reference	
803 Culture of organisms in liquid or agar based culture media with visual or instrument monitoring for growth - .01 Culture of bacteria	Detection and Enumeration of E.coli	MPN Technique	Fish, shellfish and molluscs		ISO 16649-3:2015 LAB431	
	Detection of Listeria spp. and Listeria monocytogenes	Selective enrichment, plating on chromogenic agar	Cereal and bakery products		AFNOR AES 10/3-09/00 LAB 435	
			Confectionary		AFNOR AES 10/3-09/00 LAB 435	
			Dairy products		AFNOR AES 10/3-09/00 LAB 435	
			Eggs and egg products		AFNOR AES 10/3-09/00 LAB 435	
			Fish, shellfish and molluscs		AFNOR AES 10/3-09/00 LAB 435	

	Detection of Salmonella spp.	Fruit and vegetable		AFNOR AES 10/3-09/00 LAB 435		
		Meat and meat products game and poultry		AFNOR AES 10/3-09/00 LAB 435		
		Surfaces		AFNOR AES 10/3-09/00 LAB 435		
		Confectionary		LAB 441 using chromogenic agar with the confirmation based on ISO 6579:2017, AMD 1:2020		
		Eggs and egg products		AFNOR BRD 07/11-12/05 with the confirmation based on ISO 6579:2017, AMD 1:2020 LAB 441		
		Fruit and vegetable		AFNOR BRD 07/11-12/05 with the confirmation based on ISO 6579:2017, AMD 1:2020 LAB 441		
		Selective enrichment, selective plating	Animal feeds		ISO 6579:2017, AMD 1:2020 Lab 401	
			Cereal and bakery products		ISO 6579:2017, AMD 1:2020 Lab 401	
			Fish, shellfish and molluscs		ISO 6579:2017, AMD 1:2020 Lab 401	

		Meat and meat products game and poultry		ISO 6579:2017, AMD 1:2020 Lab 401	
		Others - Fishmeals (Stock Feed)		ISO 6579:2017, AMD 1:2020 Lab 401	
		Surfaces		ISO 6579:2017, AMD 1:2020 Lab 401	
Detection of Salmonella spp.	Selective enrichment, plating on chromogenic agar	Animal feeds		AFNOR BRD 07/11-12/05 with the confirmation based on ISO 6579:2017, AMD 1:2020 LAB 441	
		Cereal and bakery products		AFNOR BRD 07-11-12/05 with the confirmation based on ISO 6579:2017, AMD 1:2020 LAB 441	
		Dairy products		AFNOR BRD 07/11-12/05 with the confirmation based on ISO 6579:2017, AMD 1:2020 LAB 441	
		Environmental waters		AFNOR BRD 07/11-12/05 with the confirmation based on ISO 6579:2017, AMD 1:2020 LAB 441	
		Fish, shellfish and molluscs		AFNOR BRD 07/11-12/05 with the confirmation based on	

		ISO 6579:2017, AMD 1:2020 LAB 441	
Industrial waters (treated, recirculating)		AFNOR BRD 07/11-12/05 with the confirmation based on ISO 6579:2017, AMD 1:2020 LAB 441	
Meat and meat products game and poultry		AFNOR BRD 07/11-12/05 with the confirmation based on ISO 6579:2017, AMD 1:2020 LAB 441	
Meat surfaces		AFNOR BRD 07/11-12/05 with the confirmation based on ISO 6579:2017, AMD 1:2020 LAB 441	
Other materials - Compost, Sludge Pellets, Anaerobic Digestate		AFNOR BRD 07/11-12/05 with the confirmation based on ISO 6579:2017, AMD 1:2020 LAB 441	
Others - Fishmeals		AFNOR BRD 07/11-12/05 with the confirmation based on ISO 6579:2017, AMD 1:2020 LAB 441	
Potable waters		AFNOR BRD 07/11-12/05 with the confirmation based on	

				ISO 6579:2017, AMD 1:2020 LAB 441	
		Prepared dishes		AFNOR BRD 07/11-12/05 with the confirmation based on ISO 6579:2017, AMD 1:2020 LAB 441	
		Surfaces		AFNOR BRD 07/11-12/05 with the confirmation based on ISO 6579:2017, AMD 1:2020 LAB 441	
Enumeration and confirmation of Staphylococcus aureus (coagulase kit)	Spread plate	Animal feeds		ISO 6888-1:2021 LAB 406	
		Cereal and bakery products		ISO 6888-1:2021 LAB 406	
		Confectionary		ISO 6888-1:2021 LAB 406	
		Dairy products		ISO 6888-1:2021 LAB 406	
		Eggs and egg products		ISO 6888-1:2021 LAB 406	
		Fish, shellfish and molluscs		ISO 6888-1:2021 LAB 406	
		Fruit and vegetable		ISO 6888-1:2021 LAB 406	
		Meat and meat products game and poultry		ISO 6888-1:2021 LAB 406	

		Others - Fishmeals		ISO 6888-1:2021 LAB 406	
		Surfaces		ISO 6888-1:2021 LAB 406	
Enumeration of Clostridium perfringens	Pour plate	Animal feeds		ISO 15213-2:2023 LAB 410	
		Cereal and bakery products		ISO 15213-2:2023 LAB 410	
		Confectionary		ISO 15213-2:2023 LAB 410	
		Dairy products		ISO 15213-2:2023 LAB 410	
		Eggs and egg products		ISO 15213-2:2023 LAB 410	
		Fish, shellfish and molluscs		ISO 15213-2:2023 LAB 410	
		Fruit and vegetable		ISO 15213-2:2023 LAB 410	
		Meat and meat products game and poultry		ISO 15213-2:2023 LAB 410	
		Others - Fishmeals		ISO 15213-2:2023 LAB 410	
		Seaweed		ISO 15213-2:2023 LAB 410	
Enumeration of coliforms by colony count technique		Animal feeds		ISO 4832:2006 LAB 413	
		Cereal and bakery products		ISO 4832:2006 LAB 413	
		Confectionary		ISO 4832:2006 LAB 413	

		Eggs and egg products		ISO 4832:2006 LAB 413	
		Fish, shellfish and molluscs		ISO 4832:2006 LAB 413	
		Fruit and vegetable		ISO 4832:2006 LAB 413	
		Meat and meat products game and poultry		ISO 4832:2006 LAB 413	
		Others - Fishmeals		ISO 4832:2006 LAB 413	
		Surfaces		ISO 4832:2006 LAB 413	
Enumeration of E.coli and presumptive Faecal coliforms	Membrane filtration	Industrial waters (treated, recirculating) Environmental waters (seawater)		ISO 9308-1:2014, AMD1:2016 LAB 423	
		Potable waters		ISO 9308-1:2014, AMD 1:2016 LAB 423	
Enumeration of Enterobacteriaceae	Pour plate	Animal feeds		ISO 21528-2: 2017 LAB 411	
		Cereal and bakery products		ISO 21528-2: 2017 LAB 411	
		Confectionary		ISO 21528-2: 2017 LAB 411	
		Dairy products		ISO 21528-2: 2017 LAB 411	
		Eggs and egg products		ISO 21528-2: 2017 LAB 411	
		Fish, shellfish and molluscs		ISO 21528-2: 2017 LAB 411	

		Fruit and vegetable		ISO 21528-2: 2017 LAB 411	
		Meat and meat products game and poultry		ISO 21528-2: 2017 LAB 411	
		Others - Fishmeals		ISO 21528-2: 2017 LAB 411	
		Surfaces		ISO 21528-2: 2017 LAB 411	
Enumeration of Enterococci	Membrane filtration	Industrial waters (treated, recirculating) Environmental waters (seawater)		ISO 7899-2:2000 and the Microbiology of Drinking water, part 5:2012 LAB412	
		Potable waters		ISO 7899-2:2000 and the Microbiology of Drinking water, part 5:2012 LAB412	
Enumeration of Listeria monocytogenes	Spread plate on chromogenic medium	Cereal and bakery products		ISO 11290-2:2017 LAB 436	
		Confectionary		ISO 11290-2:2017 LAB 436	
		Dairy products		ISO 11290-2:2017 LAB 436	
		Eggs and egg products		ISO 11290-2:2017 LAB 436	
		Fish, shellfish and molluscs		ISO 11290-2:2017 LAB 436	
		Fruit and vegetable		ISO 11290-2:2017 LAB 436	
		Meat and meat products game and poultry		ISO 11290-2:2017 LAB 436	

		Surfaces		ISO 11290-2:2017 LAB 436	
Enumeration of $\beta$ -glucuronidase-positive E. Coli	Pour plate on chromogenic medium	Fish, shellfish and molluscs		LAB 433 based on ISO 16649-2:2001	
		Fruit and vegetable		LAB 433 based on ISO 16649-2:2001	
		Meat and meat products game and poultry		LAB 433 based on ISO 16649-2:2001	
		Other materials - Compost, Sludge Pellets, Anaerobic Digestate, Seaweed, Brine		LAB 433 based on ISO 16649-2:2001	
		Others - Fishmeals		LAB 433 based on ISO 16649-2:2001	
		Prepared dishes		LAB 433 based on ISO 16649-2:2001	
		Surfaces		LAB 433 based on ISO 16649-2:2001	
Enumeration of total coliforms	Membrane filtration	Industrial waters (treated, recirculating) Environmental waters (seawater)		ISO 9308-1:2014, AMD1:2016 LAB422	
		Potable waters		ISO 9308-1:2014 LAB422	
Enumeration of total viable count at 22°C and 37 °C	Pour plate	Industrial waters (treated, recirculating)		ISO:6222:1999 LAB427	
		Potable waters		ISO:6222:1999 LAB427	

Enumeration of total viable count to 30°C		Animal feeds		ISO 4833-1:2013, AMD1:2022 LAB 403	
		Cereal and bakery products		ISO 4833-1:2013, AMD1:2022 LAB 403	
		Confectionary		ISO 4833-1:2013, AMD1:2022 LAB 403	
		Dairy products		ISO 4833-1:2013, AMD1:2022 LAB 403	
		Eggs and egg products		ISO 4833-1:2013, AMD1:2022 LAB 403	
		Fish, shellfish and molluscs		ISO 4833-1:2013, AMD1:2022 LAB 403	
		Fruit and vegetable		ISO 4833-1:2013, AMD1:2022 LAB 403	
		Meat and meat products game and poultry		ISO 4833-1:2013, AMD1:2022 LAB 403	
		Others - Fishmeals		ISO 4833-1:2013, AMD1:2022 LAB 403	
		Surfaces		ISO 4833-1:2013, AMD1:2022 LAB 403	
Enumeration of yeasts & moulds - Aw <0.95	Spread plate	Cereal and bakery products		ISO 21527-2:2008 LAB 420	
		Prepared dishes Fats and Oils		ISO 21527-2:2008 LAB 420	

Enumeration of yeasts & moulds - Aw >0.95	Cereal and bakery products	ISO 21527-1:2008 LAB 420	
	Dairy products	ISO 21527-1:2008 LAB 420	
	Fish, shellfish and molluscs	ISO 21527-1:2008 LAB 420	
	Foodstuffs intended for special nutritional uses	ISO 21527-1:2008 LAB 420	
	Meat and meat products game and poultry	ISO 21527-1:2008 LAB 420	
	Other materials - Seaweed	ISO 21527-1:2008 LAB 420	
	Prepared dishes	ISO 21527-1:2008 LAB 420	
	Surfaces	ISO 21527-1:2008 LAB 420	

## Head Office

### 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	Ash	Ash	0.1 - 35%	Fish, Shellfish, Mollusc	Furnace/Combustion	CH104 based on ISO 5984:2022
			0.1 - 35%	Fishmeal, Hydrolysate, Seaweed Meal	Furnace/Combustion	CH104 based on ISO 5984:2022
			0.1 - 35%	Meat, Meat products	Furnace/Combustion	CH104 based on ISO 5984:2022
	Fat/Oil content	Fat/Oil content	1.1 - 30%	Fish by-products, Fishmeal, Hydrolysate, Seaweed Meal, Cereals, Grain	ASE/Direct solvent extraction	CH106 using Dionex ASE-350
			1.1 - 30%	Fish, Shellfish, Mollusc	ASE/Direct solvent extraction	CH106 using Dionex ASE-350
			1.1 - 30%	Meat, Meat products	ASE/Direct solvent extraction	CH106 using Dionex ASE-350
	Moisture	Moisture	0.3 - 100%	Fish, Shellfish, Mollusc	Oven/Oven drying	CH101 based on ISO 1442:2023 and ISO 6496:1999
			0.3 - 100%	Fishmeal, Hydrolysate, Seaweed Meal	Oven/Oven drying	CH101 based on ISO 1442:2023 and ISO 6496:1999
			0.3 - 100%	Meat, Meat products	Oven/Oven drying	CH101 based on ISO 1442:2023 and ISO 6496:1999
	Nitrogen	Nitrogen	0.1 - 14 % as Nitrogen &	Fish, Shellfish, Mollusc	Digester Distillation unit, Manual Titration/Kjeldahl	CH102 based on ISO 5983:2005

			calculation of Crude Protein			
			0.1 - 14 % as Nitrogen & calculation of Crude Protein	Fishmeal, Hydrolysate, Seaweed Meal	Digester Distillation unit, Manual Titration/Kjeldahl	CH102 based on ISO 5983:2005
			0.1 - 14 % as Nitrogen & calculation of Crude Protein	Meat, Meat products	Digester Distillation unit, Manual Titration/Kjeldahl	CH102 based on ISO 5983:2005
			0.2-12.8% as Nitrogen and calculation of Crude protein	Fishmeal	LECO FP828	CH105 based on ISO 16634-1:2008
751 Food testing - .06 Allergens	Cadaverine	Cadaverine	4.0 - 3000 mg/kg	Fishmeal	HPLC/ Liquid chromatography	LAB 400 based on publication from Torry Research, Aberdeen
	Histamine	Histamine	2.5 - 200 mg/kg	Fish, Shellfish, Mollusc	HPLC/ Liquid chromatography	LAB 400 based on publication from Torry Research, Aberdeen
			2.5 - 200 mg/kg	Fish, Shellfish, Mollusc	Test Kit/ELISA	LAB 428 based on AOAC 977.13 standard method
			8.6 - 3000 mg/kg	Fishmeal	HPLC/ Liquid chromatography	LAB 400 based on publication from Torry Research, Aberdeen
	Putrescine	Putrescine	3.0 - 3000 mg/kg	Fishmeal	HPLC/ Liquid chromatography	LAB 400 based on publication from Torry Research, Aberdeen
Tyramine	Tyramine	3.2 - 3000 mg/kg	Fishmeal	HPLC/ Liquid chromatography	LAB 400 based on publication from	

						Torry Research, Aberdeen
766 Environmental testing (inc waters) - .02 Biochemical oxygen demand	BOD	BOD	1 - 20000 mg/l	Saline waters	Oxygen meter/Direct and dilution	E101 based on APHA ED.24, 2023 5210B
			1 - 20000 mg/l	Sewage Water	Oxygen meter/Direct and dilution	E101 based on APHA ED.24, 2023 5210B
			1 - 20000 mg/l	Trade Waste	Oxygen meter/Direct and dilution	E101 based on APHA ED.24, 2023 5210B
766 Environmental testing (inc waters) - .03 Chemical oxygen demand	COD	COD	16 - 20000 mg/l	Saline waters	Digester manual titration/Closed reflux titrimetric	E102 based on APHA ED.24, 2023 5220C
			16 - 20000 mg/l	Sewage Water	Digester manual titration/Closed reflux titrimetric	E102 based on APHA ED.24, 2023 5220C
			16 - 20000 mg/l	Trade Waste	Digester manual titration/Closed reflux titrimetric	E102 based on APHA ED.24, 2023 5220C
766 Environmental testing (inc waters) - .05 Inorganic	Ammonia (as NH <sub>3</sub> -N)	Ammonia	0.01 - 250 mg/l	Potable Water	Spectrophotometer/Phenate method HACH DR2800 & DR3900	E124 based on APHA ED.24, 2023 4500-NH3
			0.01 - 250 mg/l	Saline waters	Spectrophotometer/Phenate method HACH DR2800 & DR3900	E124 based on APHA ED.24, 2023 4500-NH3
			0.01 - 250 mg/l	Sewage Water	Spectrophotometer/Phenate method HACH DR2800 & DR3900	E124 based on APHA ED.24, 2023 4500-NH3
			0.01 - 250 mg/l	Surface/Ground/River/Lake waters	Spectrophotometer/Phenate method HACH DR2800 & DR3900	E124 based on APHA ED.24, 2023 4500-NH3

		0.01 - 250 mg/l	Trade Waste	Spectrophotometer/Phenate method HACH DR2800 & DR3900	E124 based on APHA ED.24, 2023 4500-NH3
Ammonia (as NH <sub>4</sub> )		0.013 - 323 mg/l	Potable Water	Spectrophotometer/Phenate method HACH DR2800 & DR3900	E124 based on APHA ED.24, 2023 4500-NH3
		0.013 - 323 mg/l	Saline waters	Spectrophotometer/Phenate method DR2800 & DR3900	E124 based on APHA ED.24, 2023 4500-NH3
		0.013 - 323 mg/l	Sewage Water	Spectrophotometer/Phenate method HACH DR2800 & DR3900	E124 based on APHA ED.24, 2023 4500-NH3
		0.013 - 323 mg/l	Surface/Ground/River/Lake waters	Spectrophotometer/Phenate method HACH DR2800 & DR3900	E124 based on APHA ED.24, 2023 4500-NH3
		0.013 - 323 mg/l	Trade Waste	Spectrophotometer/Phenate method HACH DR2800 & DR3900	E124 based on APHA ED.24, 2023 4500-NH3
Nitrate (as NO <sub>3</sub> )	Nitrate	0.44 - 221 mg/l	Potable Water	Calculation	E108 based on APHA ED.24, 2023 4500-NO3 E
		0.44 - 221 mg/l	Saline waters	Calculation	E108 based on APHA ED.24, 2023 4500-NO3 E
		0.44 - 221 mg/l	Sewage Water	Calculation	E108 based on APHA ED.24, 2023 4500-NO3 E
		0.44 - 221 mg/l	Surface/Ground/River/Lake waters	Calculation	E108 based on APHA ED.24, 2023 4500-NO3 E
		0.44 - 221 mg/l	Trade Waste	Calculation	E108 based on APHA ED.24, 2023 4500-NO3 E

Nitrate (as NO <sub>3</sub> -N)		0.1 - 50 mg/l	Potable Water	Calculation	E108 based on APHA ED.24, 2023 4500-NO3 E
		0.1 - 50 mg/l	Saline waters	Calculation	E108 based on APHA ED.24, 2023 4500-NO3 E
		0.1 - 50 mg/l	Sewage Water	Calculation	E108 based on APHA ED.24, 2023 4500-NO3 E
		0.1 - 50 mg/l	Surface/Ground/River/Lake waters	Calculation	E108 based on APHA ED.24, 2023 4500-NO3 E
		0.1 - 50 mg/l	Trade Waste	Calculation	E108 based on APHA ED.24, 2023 4500-NO3 E
Nitrite (as NO <sub>2</sub> )	Nitrite	0.03 - 11.5 mg/l	Potable Water	Spectrophotometer/Colorimetric HACH DR2800 & DR3900	E107 based on APHA ED.24, 2023 4500-NO2 B
		0.03 - 11.5 mg/l	Saline waters	Spectrophotometer/Colorimetric HACH DR2800 & DR3900	E107 based on APHA ED.24, 2023 4500-NO2 B
		0.03 - 11.5 mg/l	Sewage Water	Spectrophotometer/Colorimetric HACH DR2800 & DR3900	E107 based on APHA ED.24, 2023 4500-NO2 B
		0.03 - 11.5 mg/l	Surface/Ground/River/Lake waters	Spectrophotometer/Colorimetric HACH DR2800 & DR3900	E107 based on APHA ED.24, 2023 4500-NO2 B
		0.03 - 11.5 mg/l	Trade Waste	Spectrophotometer/Colorimetric HACH DR2800 & DR3900	E107 based on APHA ED.24, 2023 4500-NO2 B
Nitrite (as NO <sub>2</sub> -N)		0.01 - 3.5 mg/l	Potable Water	Spectrophotometer/Colorimetric HACH DR2800 & DR3900	E107 based on APHA ED.24, 2023 4500-NO2 B

		0.01 - 3.5 mg/l	Saline waters	Spectrophotometer/Colorimetric HACH DR2800 & DR3900	E107 based on APHA ED.24, 2023 4500-NO2 B
		0.01 - 3.5 mg/l	Sewage Water	Spectrophotometer/Colorimetric HACH DR2800 & DR3900	E107 based on APHA ED.24, 2023 4500-NO2 B
		0.01 - 3.5 mg/l	Surface/Ground/River/Lake waters	Spectrophotometer/Colorimetric HACH DR2800 & DR3900	E107 based on APHA ED.24, 2023 4500-NO2 B
		0.01 - 3.5 mg/l	Trade Waste	Spectrophotometer/Colorimetric HACH DR2800 & DR3900	E107 based on APHA ED.24, 2023 4500-NO2 B
Orthophosphate (as PO <sub>4</sub> -P)	Orthophosphate	0.01 - 30 mg/l	Surface/Ground/River/Lake waters	Spectrophotometer/Colorimetric HACH DR2800 & DR3900	E109 based on APHA ED.24, 2023 4500-P E
	Orthophosphate	0.01 - 30 mg/l	Saline waters	Spectrophotometer/Colorimetric HACH DR2800 & DR3900	E109 based on APHA ED.24, 2023 4500-P E
	Orthophosphate	0.01 - 30 mg/l	Trade Waste	Spectrophotometer/Colorimetric HACH DR2800 & DR3900	E109 based on APHA ED.24, 2023 4500-P E
Total Oxidised Nitrogen (TON)	Total Oxidised Nitrogen (TON)	0.12 - 50 mg/l	Potable Water	Spectrophotometer/Cadmium reduction method HACH DR2800 & DR3900	E137 based on APHA ED.24, 2023 4500-NO3 E
		0.12 - 50 mg/l	Saline waters	Spectrophotometer/Cadmium reduction method HACH DR2800 & DR3900	E137 based on APHA ED.24, 2023 4500-NO3 E
		0.12 - 50 mg/l	Sewage Water	Spectrophotometer/Cadmium reduction method HACH DR2800 & DR3900	E137 based on APHA ED.24, 2023 4500-NO3 E
		0.12 - 50 mg/l	Surface/Ground/River/Lake waters	Spectrophotometer/Cadmium reduction method HACH DR2800 & DR3900	E137 based on APHA ED.24, 2023 4500-NO3 E

			0.12 - 50 mg/l	Trade Waste	Spectrophotometer/Cadmium reduction method HACH DR2800 & DR3900	E137 based on APHA ED.24, 2023 4500-NO3 E
767 Physical test/measurement - .01 pH	pH	pH	4.0 - 10.0	Saline waters	Meter/Electrode	E105 based on APHA ED.24, 2023 4500-H+B
			4.0 - 10.0	Sewage Water	Meter/Electrode	E105 based on APHA ED.24, 2023 4500-H+B
			4.0 - 10.0	Trade Waste	Meter/Electrode	E105 based on APHA ED.24, 2023 4500-H+B
767 Physical test/measurement - .03 Suspended Solids	Suspended Solids	Suspended Solids	5 - 10000 mg/l	Saline waters	Vacuum pump/Filtration	E103 based on APHA ED.24, 2023 2540D
			5 - 10000 mg/l	Sewage Water	Vacuum pump/Filtration	E103 based on APHA ED.24, 2023 2540D
			5 - 10000 mg/l	Trade Waste	Vacuum pump/Filtration	E103 based on APHA ED.24, 2023 2540D