

# Schedule of Accreditation



Organisation Name	Laois County Council
Trading As	
INAB Reg No	344T
Contact Name	Marc Chawke
Address	Environmental & Water Quality Laboratory, IDA Business & Technology Park, Mountrath Road, Laois
Contact Phone No	057 866 4158
Email	mchawke@laoiscoco.ie
Website	
Accreditation Standard	ISO 17025 T
Date of award of accreditation	26/10/2016
Scope Classification	Biological and veterinary testing
Scope Classification	Chemical testing
Services available to the public <sup>1</sup>	

<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)		
	Name	Address
1	Head Office	Environmental & Water Quality Laboratory, IDA Business & Technology Park, Mountrath Road, Laois

# 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	Enumeration of Coliform Bacteria	Defined Substrate Technology (IDEXX Colilert 18)	Potable Water	Laminar Flow BS Cabinet, IDEXX Sealer & Incubator (37+/- 10C)	Enumeration of Total Coliforms & E. coli - LS010 - The Microbiology of Drinking Water Part 4D – 2016
	Enumeration of Colony Count @ 22 degrees celcius in Potable Water	Pour Plate Technique	Potable Water	Laminar Flow BS Cabinet, Incubator 22oC (+/- 1), Stuart Colony Counter, VWR Water Bath	Microbiology of Drinking Water 2012 Part A
	Enumeration of E. coli	Defined Substrate Technology (IDEXX Colilert 18)	Potable Water	Laminar Flow BS Cabinet, IDEXX Sealer, Fluorescence Cabinet & Incubator (37+/- 10C)	Enumeration of Total Coliforms & E. coli - LS010 - The Microbiology of Drinking Water Part 4D – 2016

Chemical Testing

Category: A

Chemistry Field - Tests	Test name	Analyte	Range of measurement	Matrix	Equipment/technique	Standard reference/SOP
766 Environmental testing (inc waters) - .05 Inorganic	Ammonia	Ammonia	0.02 - 5 mg/l N 0.025 - 6.3 mg NH4/l	Potable Water	Spectrophotometry	SOP LS020 (HMSO Ammonia in Waters [1981])
	Colour	Colour	5 - 50 Hazen	Potable Water	Spectrophotometry	SOP LS017 (HMSO Colour & Turbidity in Waters [1981])
	Conductivity	Conductivity	100 - 5000 µS/cm	Potable Water	Conductimetry	SOP LS015 (APHA/AWWA 2012 2510B)
	Nitrate (by calculation)	Nitrate (by calculation)	1- 40 mg/l N 4.4 - 170 mg NO3/l	Potable Water	Spectrophotometry	SOP LS019 (HMSO Oxidised Nitrogen in Waters [1981])
	Nitrite	Nitrite	0.015 -2.8 mg/l N 0.049 - 9.1 mg NO2/l	Potable Water	Spectrophotometry	SOP LS018 (HMSO Oxidised Nitrogen in Waters [1981])
	Total Hardness	Total Hardness	40 - 1000 mg/l CaCO3	Potable Water	Spectrophotometry	SOP LS025 USEPA Method 130.1
	Total Oxidised Nitrogen (TON)	Total Oxidised Nitrogen (TON)	1- 40 mg/l N 4.4 - 170 mg NO3/l	Potable Water	Spectrophotometry	SOP LS019 (HMSO Oxidised Nitrogen in Waters [1981])
	Turbidity	Turbidity	0.5 - 200 NTU	Potable Water	Nephelometry	SOP LS014 (HMSO Colour & Turbidity in Waters [1981])
767 Physical test/measurement - .01 pH	pH	pH	4 to 10	Potable Water	Potentiometry	SOP LS013 APHA/AWWA 2017