

# Schedule of Accreditation



Organisation Name	Cork County Council
Trading As	
INAB Reg No	16T
Contact Name	Miriam Murphy
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Accreditation Standard	EN ISO/IEC 17025 T
Standard Version	2017
Date of award of accreditation	25/04/1991
Scope Classification	Chemical testing
Services available to the public <sup>1</sup>	No

<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	Wastewater Laboratory, Inniscarra, Cork, T12R2NC

# Scope of Accreditation

## Head Office

### Chemical Testing

Category: A

Chemistry Field - Tests	Test name	Analyte	Range of measurement	Matrix	Equipment/technique	Standard reference/SOP
766 Environmental testing (inc waters) - .02 Biochemical oxygen demand	Biochemical Oxygen Demand	Biochemical Oxygen Demand	1 - 145,000 mg O <sub>2</sub> /L	Sewage, Trade waste, Waste water treatment plant effluent (WWTP Effluent), Other Surface and Ground Water	Membrane Electrode	Documented in-house method CP No. 1 Biochemical Oxygen Demand based on Standard Methods for the Examination of Water & Wastewater 24th Edition APHA 5210.B
766 Environmental testing (inc waters) - .03 Chemical oxygen demand	Chemical Oxygen Demand	Chemical Oxygen Demand	21 - 670,000 mg O <sub>2</sub> /L	Sewage, Trade waste, Waste water treatment plant effluent (WWTP Effluent), Other Surface and Ground Water	Closed Reflux - Colorimetric Method	Documented in-house method CP No. 6 Chemical Oxygen Demand based on Standard Methods for the Examination of Water & Wastewater 24th Edition APHA 5220. A,B,D.
766 Environmental testing (inc waters) - .05 Inorganic	Ammonia	Ammonia as N	0.008 to 1000 mg/L	Wastewater Treatment Plant Effluents (WWTP Effluents), Trade	Smartchem 450	Documented in-house method CP No. 36 for Ammonia (Smartchem 450).

				Wastes, Sewage, Other Waters, Leachate Procedures, Groundwaters		
			0.1 - 1,000 mg/L	Sewage, Trade waste, Waste water treatment plant effluent (WWTP Effluent), Other Surface and Ground Water	Discrete Analyser	Documented in-house method CP No. 22 Ammonia (Konelab)
Chloride	Chloride	10 to 93,000 mg/L Cl		Wastewater Treatment Plant Effluents (WWTP Effluents), Trade Wastes, Sewage, Other Waters, Leachate Procedures, Groundwaters, Bore Waters	Smartchem 450	Documented in-house procedure for Chloride (Smartchem 450) adapted from Standard Methods for the Examination of Water and Wastewater, 24th Edition, A.P.H.A., A.W.W.A., W.E.F.
			25 - 86,000 mg Cl <sup>-</sup> /L	Sewage, Trade waste, Waste water treatment plant effluent (WWTP Effluent), Other Surface and Ground Water	Discrete Analyser Ferricyanide Method	Documented in-house method CP No. 24 Chloride (Konelab).
Dissolved Inorganic Nitrogen. (DIN) Determination by Calculation	Dissolved Inorganic Nitrogen as N	0.2 to 960 mg/L DIN as N		Wastewater Treatment Plant Effluents (WWTP Effluents), Trade Wastes, Sewage, Other Waters, Leachate Procedures, Groundwaters	Smartchem 450	Documented in-house method CP No. 41 for DIN (Smartchem 450).
Nitrate Determination by Calculation	Nitrate as N	0.2 to 960 mg/L NO <sub>3</sub> as N		Wastewater Treatment Plant Effluents (WWTP Effluents), Trade	Smartchem 450	Documented in-house method CP No. 40 for Nitrate (Smartchem 450).

			Wastes, Sewage, Other Waters, Leachate Procedures, Groundwaters		
Nitrite	Nitrite as N	0.02 to 100 mg/L N-NO <sub>2</sub>	Wastewater Treatment Plant Effluents (WWTP Effluents), Trade Wastes, Sewage, Other Waters, Leachate Procedures, Groundwaters	Smartchem 450	Documented in-house method CP No. 39 for Nitrite (Smartchem 450).
Orthophosphate	Orthophosphate as P	0.02 to 1000 mg o-PO <sub>4</sub> -P/L	Wastewater Treatment Plant Effluents (WWTP Effluents), Trade Wastes, Sewage, Other Waters, Leachate Procedures, Groundwaters	Smartchem 450	Documented in-house method CP No. 37 for Orthophosphate as P (Smartchem 450).
Orthophosphate as P		0.05 - 1,000 mg o-PO <sub>4</sub> -P/L	Sewage, Trade waste, Waste water treatment plant effluent (WWTP Effluent), Other Surface and Ground Water	Discrete Analyser Ascorbic Acid Method	Documented in-house method CP No. 23 Orthophosphate as P (Konelab).
Sulphate	Sulphate	10 to 39,000 mg/L SO <sub>4</sub>	Wastewater Treatment Plant Effluents (WWTP Effluents) Trade Wastes, Sewage, Other Waters, Leachate Procedures, Groundwaters, Bore Waters	Smartchem 450	Documented in-house procedure for Sulphate (Smartchem 450) adapted from Standard Methods for the Examination of Water and Wastewater 24th Edition, A.P.H.A., A.W.W.A., W.E.F.

			30 - 35,000 mg SO <sub>4</sub> /L	Sewage, Trade waste, Waste water treatment plant effluent (WWTP Effluent), Other Surface and Ground Water	Discrete Analyser Turbidimetric Method	Documented in-house method CP No. 25 Sulphate (Konelab).
	Total Nitrogen	Total Nitrogen as N	1 to 1000 mg/L as N	Wastewater Treatment Plant Effluents (WWTP Effluents), Trade Wastes, Sewage, Other Waters, Leachate Procedures, Groundwaters	Multi N/C 3100 Analyser	Documented in-house method CP No. 35 for Total Nitrogen. (Multi N/C 3100 Analyser).
	Total Oxidised Nitrogen	TON as N	0.2 to 960 mg/L TON as N	Wastewater Treatment Plant Effluents, (WWTP Effluents) Trade Wastes, Sewage, Other Waters, Leachate Procedures, Groundwaters	Smartchem 450	Documented in-house method CP No. 38 for TON (Smartchem 450).
	Total Phosphorous	Total Phosphorous as P	0.2 - 5,300 mg/L	Sewage, Trade waste, Waste water treatment plant effluent (WWTP Effluent), Other Surface and Ground Water	HACH - Colorimetric Method	Documented in-house method CP No. 20 Total Phosphorous adapted from Standard Methods for the Examination of Water & Wastewater 24th Edition APHA 4500-P and US-EPA Approved Method/HACH Method
767 Physical test/measurement - .01 pH	pH	pH	2 - 12 pH Units	Sewage, Trade waste, Waste water treatment plant effluent (WWTP Effluent),	Electrometric Method	Documented in-house method CP No. 5 pH adapted from Standard Methods for the Examination of Water & Wastewater

				Other Surface and Ground Water		24th Edition APHA 4500-H+.B
767 Physical test/measurement - .03 Suspended Solids	Suspended Solids	Suspended Solids	2.5 - 17,500 mg/L	Sewage, Trade waste, Waste water treatment plant effluent (WWTP Effluent), Other Surface and Ground Water	Gravimetric Method	Documented in-house method CP No. 3 Suspended Solids adapted from Standard Methods for the Examination of Water & Wastewater 24th Edition APHA 2540. A,B,C,D.