Schedule of Accreditation

Organisation Name	Limerick City and County Council
INAB Reg No	314T
Contact Name	Claire Linehan
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Website	https://www.limerick.ie/council
Accreditation Standard	ISO 17025 T
Date Initially Awarded	10/09/2013
Scope Classification	Biological and veterinary testing
Scope Classification	Chemical testing
Services available to the public[1]	No

[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	Corporate Laboratory Services, Lissanalta House, Dooradoyle, Limerick

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 Clostridium perfringens in Surface water	Membrane Filtration	Environmental Waters	N/A	TM-Micro-6 based on m-CP method detailed in S.I. No. 106 of 2007 European Communities (Drinking Water) Regulations, 2007	
	Enumeration of Clostridium perfringens in water		Potable Waters	N/A	TM-Micro-6 based on m-CP method detailed in S.I. No. 106 of 2007 European Communities (Drinking Water) Regulations, 2007	
	Enumeration of Coliform bacteria by Colilert-18 MPN	Colilert-18 MPN by Idexx	Environmental Waters	Idexx Quanti-tray Sealer	TM-Micro-2 based on ISO 9308-2:2012	
			Potable Waters	Idexx Quanti-tray Sealer	TM-Micro-2 based on ISO 9308-2:2012	
			Sewage	Idexx Quanti-tray Sealer	TM-Micro-2 based on ISO 9308-2:2012	
	Enumeration of E.coli by Colilert-18 MPN		Environmental Waters	Idexx Quanti-tray Sealer	TM-Micro-2 based on ISO 9308-2:2012	
			Potable Waters	Idexx Quanti-tray Sealer	TM-Micro-2 based on ISO 9308-2:2012	
			Sewage	Idexx Quanti-tray Sealer	TM-Micro-2 based on ISO 9308-2:2012	
	Enumeration of Enterococci by Enterolert - DW MPN	Enterolert - DW MPN by Idexx	Environmental Waters	Idexx Quanti-tray Sealer	TM-Micro-7 based on MPN by Idexx Enterolert - E. Microbiology of Drinking Water -	

					Part 5B-2012 (SCA-UK)	
	Enumeration of Enterococci by Enterolert -DW MPN	Enterolert -DW MPN by Idexx	Potable Waters	Idexx Quanti-tray Sealer	TM-Micro-3 based on MPN by Idexx Enterolert DW Microbiology of Drinking Water - Part 5B-2012 (SCA-UK)	
	Enumeration of Enterococci by Enterolert -E MPN	Enterolert - E MPN by Idexx	Sewage	Idexx Quanti-tray Sealer	TM-Micro-7 based on MPN by Idexx Enterolert - E. Microbiology of Drinking Water - Part 5B-2012 (SCA-UK)	

Chemical Testing

Category: A

Chemistry Field - Tests	Test name	Analyte	Range of measurement	Matrix	Equipment/technique	Standard reference/SOP
766 Environmental testing (inc waters) - .01 Metal analysis	Determination of metals by ICP-MS	Aluminium	20 - 1000 ug/L	Waters for Potable and Domestic Purposes	ICP-MS	TM-Chem-27 based on Standard Methods for the Examination of Water and Wastewater 22nd Edition, 2012 (APHA-AWWA-WEF) 3125 and Varian ICP-MS customer training manual
		Iron	20 - 500 ug/L	Waters for Potable and Domestic Purposes	ICP-MS	TM-Chem-27 based on Standard Methods for the Examination of Water and Wastewater 22nd Edition, 2012 (APHA-AWWA-WEF) 3125 and Varian ICP-MS customer training manual
		Lead	2.5 - 100 ug/L	Waters for Potable and Domestic Purposes	ICP-MS	TM-Chem-27 based on Standard Methods for the Examination of Water and Wastewater 22nd Edition, 2012 (APHA-AWWA-WEF) 3125 and Varian ICP-MS customer training manual
		Manganese	2.5 - 100 ug/L	Waters for Potable and Domestic Purposes	ICP-MS	TM-Chem-27 based on Standard Methods for the Examination of Water and Wastewater 22nd Edition, 2012 (APHA-AWWA-WEF) 3125 and Varian ICP-MS customer training manual

766 Environmental testing (inc waters) - .03 Chemical oxygen demand	Chemical Oxygen Demand	COD Organic and Inorganic Components	High range: 1450 - 14500 mg/l	Waste water treatment plant effluent (WWTP effluent)	HACH COD Reactors HACH DR 3900 Spectrophotometer	TM-Chem-28 High range based on Standard Methods for the Examination of Water and Wastewater 22nd Edition, 2012: 5220 COD
			Low range: 10 - 145 mg/l	Other waters (surface waters)	HACH COD Reactors HACH DR 3900 Spectrophotometer	TM-Chem-4 Low range based on Standard Methods for the Examination of Water and Wastewater 22nd Edition, 2012: 5220 COD
			Low range: 10 - 145 mg/l	Waste water treatment plant effluent (WWTP effluent)	HACH COD Reactors HACH DR 3900 Spectrophotometer	TM-Chem-4 Low range based on Standard Methods for the Examination of Water and Wastewater 22nd Edition, 2012: 5220 COD
			Mid range: 100 - 1450 mg/l	Waste water treatment plant effluent (WWTP effluent)	HACH COD Reactors HACH DR 3900 Spectrophotometer	TM-Chem-29 Mid range based on Standard Methods for the Examination of Water and Wastewater 22nd Edition, 2012: 5220 COD
766 Environmental testing (inc waters) - .05 Inorganic	Ammonia	Ammonium ion determination	0.04 mg/L to 5 mg/L as N (0.051 - 6.43 mg/L NH4	Waters for Potable and Domestic Purposes	Automated spectrophotometric determination of ammonium ion.	TM-Chem-31 based on HMSO methods for the examination of waters and associated materials- ammonia in waters: 1981 (ISBN 0 11 7516139) & Aquakem reference manual.
767 Physical test/measurement - .01 pH	pH	Hydrogen ion concentration	Range: 4-10	Other waters (surface waters)	pH meter	TM-Chem-21 based on Standard Methods for the Examination of Water and Wastewater

						22nd Edition, 2012: 4500-H + pH value
			Range: 4-10	Waste water treatment plant effluent (WWTP effluent)	pH meter	TM-Chem-21 based on Standard Methods for the Examination of Water and Wastewater 22nd Edition, 2012: 4500-H + pH value
			Range: 4-10	Waters for Potable and Domestic Purposes	pH meter	TM-Chem-21 based on Standard Methods for the Examination of Water and Wastewater 22nd Edition, 2012: 4500-H + pH value
767 Physical test/measurement - .02 Conductivity	Conductivity	Concentration of dissolved solids which have been ionised in a polar solution	45.13 - 4523 uS/cm	Waters for Potable and Domestic Purposes	Conductivity meter	TM-Chem-32 based on Standard Methods for the Examination of Water and Wastewater 22nd Edition, 2012 (APHA-AWWA-WEF) 2510-B
767 Physical test/measurement - .03 Suspended Solids	Total Suspended Solids	Suspended Solids	5 - 1000 mg/l	Waste water treatment plant effluent (WWTP effluent)	Membrane filtration	TM-Chem-22 based on Standard Methods for the Examination of Water and Wastewater 22nd Edition, 2012: 2540 Solids
			5-1000 mg/l	Other Waters(Surface Waters)	Membrane Filtration	TM-Chem-22 based on Standard Methods for the Examination of Water and Wastewater 22nd Edition, 2012: 2540 Solids
797 Miscellaneous materials and products - .02 Physical tests	Determination of Colour	Colour: True (filtered), Apparent (unfiltered)	5 - 500 Hazen	Waters for Potable and Domestic Purposes	Spectrophotometric determination of a sample(filtered or unfiltered)	TM-Chem-7 based on Standard Methods for the Examination of Water and Wastewater 22nd Edition, 2012 (APHA-AWWA-WEF) 2120 C

	Determination of Turbidity	Light scattering by material in water	0.2 - 100 NTU	Waters for Potable and Domestic Purposes	Turbidimeter	TM-Chem-25 based on Standard Methods for the Examination of Water and Wastewater 22nd Edition, 2012 (APHA-AWWA-WEF) 2130 B
	Fluoride	Fluoride ion concentration	0.2 - 2.0 mg/L	Waters for Potable and Domestic Purposes	Ion Selective Electrode	TM-Chem-9 based on Standard Methods for the Examination of Water and Wastewater 22nd Edition, 2012 (APHA-AWWA-WEF) 4500-FC