

# Schedule of Accreditation



Organisation Name	Water Testing Services
Trading As	The Water Lab
INAB Reg No	339T
Contact Name	Debbie Kelly
Address	Unit C3, M4 Business Park, Celbridge, Kildare
Contact Phone No	01 627 5656
Email	qualitycontrol@thewaterlab.ie
Website	
Accreditation Standard	EN ISO/IEC 17025 T
Standard Version	2017
Date of award of accreditation	08/12/2015
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)		
	Name	Address
1	Head Office	Unit C3, M4 Business Park, Celbridge, Kildare

# 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	Membrane Filtration	Potable and Domestic Waters	N/A	ISO 9308-1:2014/AMD 1:2016	SOP-LTM-024
	Detection and Enumeration of Faecal Coliforms	Membrane Filtration	WWTP Effluent	N/A	Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 9222D	SOP-LTM-033
	Detection and Enumeration of Total Coliforms	Membrane Filtration	Potable and Domestic Waters	N/A	ISO 9308-1:2014/AMD 1:2016	SOP-LTM-024

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	Carbonaceous Biochemcial Oxygen Demand	Carbonaceous Biochemcial Oxygen Demand	2-1500mg/l	Sewage	Oxygen Probe	SOP-LTM-001 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 5210-B.
			2-150mg/l	WWTP Effluent	Oxygen Probe	SOP-LTM-001 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, section 5210-B.
	Total Biochemical Oxygen Demand	Total Biochemical Oxygen Demand	2-1500mg/l	Sewage	Oxygen Probe	SOP-LTM-001 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, section 5210-B.
			2-1500mg/l	Trade Wastes	Oxygen Probe	SOP-LTM-001 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, 2017,

						section 5210-B.
			2-150mg/l	WWTP Effluent	Oxygen Probe	SOP-LTM-001 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, section 5210-B.
766 Environmental testing (inc waters) - .03 Chemical oxygen demand	Chemical Oxygen Demand	Chemical Oxygen Demand	15 - 1500 mg/l	Surface Waters, Ground Waters	Colorimetry	SOP-LTM-002 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 5220-D. Hach DR 2800 Spectrophotometer Procedures Manual, June 2007, Edition 2, Method 8000.
			15-1500mg/l	Sewage	Colorimetry	SOP-LTM-002 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 5220-D. Hach DR 2800 Spectrophotometer Procedures Manual, June 2007, Edition 2, Method 8000.
			15-1500mg/l	Trade Wastes	Colorimetry	SOP-LTM-002 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section

						5220-D. Hach DR 2800 Spectrophotometer Procedures Manual, June 2007, Edition 2, Method 8000.
			15-150mg/l	WWTP Effluent	Colorimetry	SOP-LTM-002 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 5220-D. Hach DR 2800 Spectrophotometer Procedures Manual, June 2007, Edition 2, Method 8000.
766 Environmental testing (inc waters) - .05 Inorganic	Conductivity	Conductivity	78.3-5000 $\mu$ S/cm	Surface waters, Ground Waters, WWTP Influent, WWTP Effluent	Conductivity Probe	SOP-LTM-010 Standard Methods for the Examination of Water and Wastewater, 24th Edition, Section 2510 Conductivity
	pH	pH	4 - 10 pH Units	Surface waters, Ground Waters	pH Probe	SOP-LTM-004 Standard Methods for the Examination of Water and Wastewater, 24th Edition, Section 4500- H+
767 Physical test/measurement - .01 pH	pH Measurement		4-10 pH Units	Potable and Domestic Waters	pH Probe	SOP-LTM-004 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 4500-H+
			4-10 pH Units	Saline Waters	pH Probe	SOP-LTM-004 Standard Methods for the Examination of

						Water and Wastewater, 24th Edition, 2022, Section 4500-H+
			4-10 pH Units	Sewage	pH Probe	SOP-LTM-004 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 4500-H+
			4-10 pH Units	Trade Wastes	pH Probe	SOP-LTM-004 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 4500-H+
			4-10 pH Units	WWTP Effluent	pH Probe	SOP-LTM-004 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 4500-H+
767 Physical test/measurement - .02 Conductivity	Conductivity	Conductivity	78.3-5000 $\mu\text{S}/\text{cm}$	Potable and Domestic Waters	Conductivity Probe	SOP-LTM-010 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 2510 Conductivity
767 Physical test/measurement - .03 Suspended Solids	Total Suspended Solids	Total Suspended Solids	4 - 10,000 mg/l	Surface Waters, Ground Waters	Gravimetry	SOP-LTM-003 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 2540-D
			4 - 10000mg/l	Sewage	Gravimetry	SOP-LTM-003 Standard Methods for

						the Examination of Water and Wastewater, 24th Edition, 2022, 2017, Section 2540-D
			4 - 10000mg/l	Trade Wastes	Gravimetry	SOP-LTM-003 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, 2017, Section 2540-D
			4-10000mg/l	WWTP Effluent	Gravimetry	SOP-LTM-003 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 2540-D
			8-2500mg/l	Saline Waters	Gravimetry	SOP-LTM-003 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, 2017, Section 2540-D
797 Miscellaneous materials and products - .01 Chemical tests	Ammonia	Ammonia	0.08-100mg/l	WWTP Effluent Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 4500-NH3 Hach DR2800 Spectrophotometer Procedures Manual, June 2007, Edition 2, Method 10031 (High Range) and 10023 (Low Range)	Colorimetry	SOP-LTM-007

			0.08-300mg/l	Sewage	Colorimetry	SOP-LTM-007 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 4500-NH3 Hach DR2800 Spectrophotometer Procedures Manual, June 2007, Edition 2, Method 10031 (High Range) and 10023 (Low Range)
			0.08-300mg/l	Trade Wastes	Colorimetry	SOP-LTM-007 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 4500-NH3 Hach DR2800 Spectrophotometer Procedures Manual, June 2007, Edition 2, Method 10031 (High Range) and 10023 (Low Range)
	Total Hardness	Total Hardness	40.5-500mg/l	Potable and Domestic Waters	Titration	SOP-LTM-020 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 2340 C. EDTA Titrimetric Method.
	Total Nitrogen	Total Nitrogen	1.2-100mg/l	WWTP Effluent	Colorimetry	SOP-LTM-005 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 4500-N.



						Hach DR2800 Spectrophotometer Procedures Manual, June 2007, Edition 2, Method 10071 and 10072
			1.2-300mg/l	Sewage	Colorimetry	SOP-LTM-005 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, 2017, Section 4500-N. Hach DR2800 Spectrophotometer Procedures Manual, June 2007, Edition 2, Method 10071 and 10072
			1.2-300mg/l	Trade Wastes	Colorimetry	SOP-LTM-005 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 4500-N. Hach DR2800 Spectrophotometer Procedures Manual, June 2007, Edition 2, Method 10071 and 10072
	Total Phosphorous	Total Phosphorous	0.09-100mg/l	Sewage	Colorimetry	SOP-LTM-006 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 4500-P E. Hach DR2800 Spectrophotometer Procedures Manual,

						June 2007, Edition 2, Method 8190
			0.09-100mg/l	Trade Wastes	Colorimetry	SOP-LTM-006 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 4500-P E. Hach DR2800 Spectrophotometer Procedures Manual, June 2007, Edition 2, Method 8190
			0.09-50mg/l	WWTP Effluent	Colorimetry	SOP-LTM-006 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 4500-P E. Hach DR2800 Spectrophotometer Procedures Manual, June 2007, Edition 2, Method 8190

797 Miscellaneous materials and products - .03 Other tests	Ammonium	Ammonium	0.1-2.58mg/l	Potable and Domestic Waters	Colorimetry	SOP-LTM-007 Standard Methods for the Examination of Water and Wastewater, 24th Edition, 2022, Section 4500-NH3 Hach DR2800 Spectrophotometer Procedures Manual, June 2007, Edition 2, Method 10031 (High Range) and 10023 (Low Range)
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