

Schedule of Accreditation



Organisation Name	Kerry County Council
Trading As	
INAB Reg No	340T
Contact Name	David Lenihan
Address	Laboratory, Arás Chontae, Rathass, Tralee, Kerry
Contact Phone No	066 718 3592
Email	dlenihan@kerrycoco.ie
Website	http://www.kerrycoco.ie
Accreditation Standard	ISO 17025 T
Date Initially Awarded	08/12/2015
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	Laboratory, Aras Chontae, Rathass, Kerry

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	Membrane Filtration using mCP agar followed by incubation using anerobic conditions at 44+-1 C for 18-24 hrs	Potable water (01)	Incubator and Anerobic Gas Jar	ASTM D5916-96 (2002) and S.I. no 122 of 2014 EU Drinking water Regulations	
	Enumeration of Coliforms and E coli using IDEXX (Colilert 18) Quanti tray	Incubation at 37c for 18-24 hrs followed by elucidation using flouresence	Potable and surface waters (01,99)	Quanti tray sealer, Incubator and flouresence chamber	IDEX Colilert 18 ISO standard 9308-2:2012	
	Enumeration of Colony Counts @ 22C	Incubation at 22c +/- 2c for 68 +/- 4 hrs using yeast Extract agar	Potable water (01)	Incubator at 22 c +/- 2C	ISO 6222:1999	
	Enumeration of E coli using IDEXX (Colilert 18) Quanti tray	Incubation at 36c for 18-22 hrs followed by elucidation using flouresence	Marine waters (06)	Quanti tray sealer, Incubator and flouresence chamber	ISO-9308-2 -2012	
	Enumeration of Enterococci by membrane filatration method	Incubator at 36c +/- 2c for 4 hrs +/-0.5hrs followed by 44C +/- 0.5c for 40Hrs +/- 0.5	Marine waters	Incubator at 36 C +/- 2c and 44c+/- 0.5c	on ISO 7899-2:2000(E)	

		hr, Membrane filtration,				
		Incubator at 36c for 44 +/-4hrs ,Membrane filtration,	Potable waters	Incubator at 36 C +/- 2c	on ISO 7899-2:2000(E)	

Head Office

Chemical Testing

Category: A

Chemistry Field - Tests	Test name	Analyte	Range of measurement	Matrix	Equipment/technique	Standard reference/SOP
710 Materials testing - .03 Chemical analysis	Determination of Chemical Oxygen demand In Wastewaters	Chemical Oxygen Demand (COD)	13 -100000 mg/L O2	Other waters (0.99) Leachate	Spectrophotometer capable of measurement at 620nm , heating block capable of maintaining temp at 150 C	In House method 541-P-007 based on HACH reactor digestion method 3000 for water and wastewater
			13 -100000 mg/L O2	Sewage (.04)	Spectrophotometer capable of measurement at 620nm , heating block capable of maintaining temp at 150 C	In House method 541-P-007 based on HACH reactor digestion method 3000 for water and wastewater
			13 -100000 mg/L O2	Trade Effluent (.05)	Spectrophotometer capable of measurement at 620nm , heating block capable of maintaining temp at 150 C	In House method 541-P-007 based on HACH reactor digestion method 3000 for water and wastewater
			13-100000 mg/L O2	WWTP Effluent (.08)	Spectrophotometer capable of measurement at 620nm , heating block capable of maintaining temp at 150 C	In House method 541-P-007 based on HACH reactor digestion method 3000 for water and wastewater
766 Environmental testing (inc waters) - .01 Metal analysis	Major ions by ICP-MS	Calcium	1 - 100 mg/L Ca	potable and surface waters (01, 99)	ICP-MS with collision cell	US EPA 200.8(1999) /541-P-038
		Sodium	5 - 100 mg/L Na	potable and surface waters (01, 99)	ICP-MS with collision cell	US EPA 200.8(1999) /541-P-038

	Metals by ICP-MS	Arsenic	1-500 ug/l As	potable and surface waters (01, 99)	ICP-MS with collision cell	US EPA 200.8(1999) /541-P-030
		Barium	0.005 - 0.5 mg/l Ba	potable and surface waters (01, 99)	ICP-MS with collision cell	US EPA 200.8(1999) /541-P-030
		Cadmium	1-500 ug/l Cd	potable and surface waters (01, 99)	ICP-MS with collision cell	US EPA 200.8(1999) /541-P-030
		Chromium	1-500 ug/l Cr	potable and surface waters (01, 99)	ICP-MS with collision cell	US EPA 200.8(1999) /541-P-030
		Copper	0.002-1.0 mg/l Cu	potable and surface waters (01, 99)		US EPA 200.8(1999) /541-P-030
		Iron	20-1000ug/l Fe	potable and surface waters (01, 99)	ICP-MS with collision cell	US EPA 200.8(1999) /541-P-030
		Lead	1-300 ug/l Pb	potable and surface waters (01, 99)	ICP-MS with collision cell	US EPA 200.8(1999) /541-P-030
		Manganese	1-500 ug/l Mn	potable and surface waters (01, 99)	ICP-MS with collision cell	US EPA 200.8(1999) /541-P-030
		Nickel	10-500 ug/l Ni	potable and surface waters (01, 99)	ICP-MS with collision cell	US EPA 200.8(1999) /541-P-030
		Selenium	1-500 ug/l Se	potable and surface waters (01, 99)	ICP-MS with collision cell	US EPA 200.8(1999) /541-P-030
		Zinc	20-1000 ug/l Zn	potable and surface waters (01, 99)	ICP-MS with collision cell	US EPA 200.8(1999) /541-P-030
766 Environmental testing (inc waters) - .05 Inorganic	Discrete selective Photometric analysis	Ammonia	0.05 - 1 mg/l N	potable and surface waters (01, 99)	Aquakem analyzer	HMSO-1981/ 541- P-004
		Chloride	5 - 80 mg/l Cl	potable and surface waters (01, 99)	Aquakem analyzer	HMSO-1981/ 541- P-006

	Nitrite	0.05 - 1 mg/l N	potable and surface waters (01, 99)	Aquakem analyzer	HMSO-1981/ 541- P-018
	Sulphate	5 - 100 mg/l SO4	potable and surface waters (01, 99)	Aquakem analyzer	HMSO-1981/ 541- P-024
	Total Oxidized Nitrogen	0.5 - 10 mg/l N	potable and surface waters (01, 99)	Aquakem analyzer	HMSO-1981/ 541- P-016
Electrometric determination of Conductivity	Conductivity	15 - 2500 us/cm	Sewage, WWTP effluent, potable and surface waters	Conductivity Meter	Std methods for examination of Water and Wastewater 22nd Edn 2012 2510-B /541-P_011
Determination of Colour by Hazen method	Colour	5 - 100 Hazen units	potable and surface waters (01, 99)	Hach Spectrophotometer	Hach method 8025/ 541-P-010
Determination Of Total Phosphate in waste water	Total Phosphorous (P)	0.1 to 50 mg/l	Sewage, WWTP Effluent, Trade Effluent, Leachate	Gannimede P analyzer	541-p-033, Gannimede P-operation Manual
Determination Of Total Phosphorous	Total Phosphorous as P	0.05 to 50 mg/l	Sewage and WWTP effluent	Gannimede P Analyzer	541-P-033 , Gannimede P operation Manual
Determination of Turbidity by Nephelometry	Turbidity	0.25 - 10 NTU	Potable water (01)	Turbidimeter	Std methods for examination of Water and Wastewater 22nd Edn 2012 2130-B /541-P_029
Electrochemical determination of Fluoride	Fluoride	0.1 - 2 mg/L F	Potable water (01)	Ion Selective Electrode meter	Std methods for examination of Water and Wastewater 22nd Edn 2012 4500-F /541-P_012
Electrometric determination of Ph	pH	4-10 Ph units	Sewage, WWTP effluent, potable and surface waters	Ph meter	Std methods for examination of Water and Wastewater 22nd Edn 2012 4500-H /541-P_020

	Gravimetric Determination of Suspended Solids	Suspended Solids	5 - 10000 mg/l	Surface waters, Sewage , Effluent discharges (WWTP), Trade Effluent, Leachate	Oven Capable of drying between 103 - 105 C	Std methods for examination of Water and Wastewater 22nd Edn 2012 2510-B /541-P_023
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