

Schedule of Accreditation



Organisation Name	T.E. Laboratories Ltd.
Trading As	
INAB Reg No	106T
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Accreditation Standard	ISO 17025 T
Date Initially Awarded	15/02/2002
Scope Classification	Chemical testing
Services available to the public ¹	Yes

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	Loughmartin Business Park, Tullow, Carlow, R93 N529

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) - .01 Metal analysis	Trace elements (dissolved)	Cadmium	0.03-20 mg/l	Other waters: ground waters, surface waters, Effluents, Leachates		TP001 (Direct Aspiration Flame AAS Perkin Elmer1100) based on APHA 22nd Edition 3111B(2012)
		Chromium	0.05-50 mg/l	Water for potable and domestic purpose. Other waters: ground waters, surface waters, Effluents, Leachates		TP001 (Direct Aspiration Flame AAS Perkin Elmer1100) based on APHA 22nd Edition 3111B(2012)
		Cobalt	0.12-30 mg/l	Other waters: Effluents; waters for potable and domestic purpose		TP001 (Direct Aspiration Flame AAS Perkin Elmer1100) based on APHA 22nd Edition 3111B(2012)
		Copper	0.05-50 mg/l	Water for potable and domestic purpose. Other waters: ground waters, surface waters, Effluents, Leachates		TP001 (Direct Aspiration Flame AAS Perkin Elmer1100) based on APHA 22nd Edition 3111B(2012)
		Iron	0.05-50 mg/l	Water for potable and domestic purpose. Other waters: ground waters, surface waters, Effluents, Leachates		TP001 (Direct Aspiration Flame AAS Perkin Elmer1100) based on APHA 22nd Edition 3111B(2012)
		Lead	0.2-90 mg/l	Other waters: ground waters, surface waters, Effluents, Leachates		TP001 (Direct Aspiration Flame AAS Perkin Elmer1100) based on APHA 22nd Edition 3111B(2012)
		Manganese	0.03-20 mg/l	Water for potable and domestic purpose. Other waters: ground waters, surface		TP001 (Direct Aspiration Flame AAS Perkin Elmer1100) based

				waters, Effluents, Leachates		on APHA 22nd Edition 3111B(2012)
		Nickel	0.10-20 mg/l	Other waters: ground waters, surface waters, Effluents, Leachates		TP001 (Direct Aspiration Flame AAS Perkin Elmer1100) based on APHA 22nd Edition 3111B(2012)
		Zinc	0.01-10 mg/l	Water for potable and domestic purpose. Other waters: ground waters, surface waters, Effluents, Leachates		TP001 (Direct Aspiration Flame AAS Perkin Elmer1100) based on APHA 22nd Edition 3111B(2012)
766 Environmental testing (inc waters) - .03 Chemical oxygen demand	COD	COD	4-5000 mg/l	Sewage, trade wastes, bore waters, other waters: surface water		TP006 based on APHA 22nd Edition 5200 closed reflux colorimetric (2012). HACH Digestion + Spectrophotometric determination
766 Environmental testing (inc waters) - .05 Inorganic	Ammonia	Ammonia	0.10-50 mg/l as NH4	Sewage, trade wastes, bore waters, other waters: surface water		TP012 based on APHA 22nd Edition 4500-NH3 F (2012) (Phenate Method) Spectrophotometric
	Anions (dissolved)	Chloride	0.5-5000 mg/l	Water for potable and domestic purpose. Other waters: ground waters, surface waters, Effluents, Leachates		TP002 (Ion Chromatography Donex IC DX-120) based on USEPA 300.0 (1993)
		Fluoride	0.1-50 mg/l	Water for potable and domestic purpose. Other waters: ground waters, surface waters, Effluents, Leachates		TP002 (Ion Chromatography Donex IC DX-120) based on USEPA 300.0 (1993)
		Nitrate	0.11-1129 mg/l as N	Water for potable and domestic purpose. Other waters: ground waters, surface waters, Effluents, Leachates		TP002 (Ion Chromatography Donex IC DX-120) based on USEPA 300.0 (1993)
		Nitrite	0.06-250 mg/l as N	Water for potable and domestic purpose. Other waters: ground waters, surface waters, Effluents, Leachates		TP002 (Ion Chromatography Donex IC DX-120) based on USEPA 300.0 (1993)
		Orthophosphate	0.33-81.6 mg/l as P	Water for potable and domestic purpose. Other waters: ground waters, surface waters, Effluents, Leachates		TP002 (Ion Chromatography Donex IC DX-120) based on USEPA 300.0 (1993)
		Sulphate	0.25-10,000 mg/l	Water for potable and domestic purpose. Other waters: ground waters, surface waters, Effluents, Leachates		TP002 (Ion Chromatography Donex IC DX-120) based on USEPA 300.0 (1993)
		Total Oxidized Nitrogen (calculated from the sum of Nitrate and	0.17-1205 mg/l as N	Water for potable and domestic purpose. Other waters: ground waters, surface waters, Effluents, Leachates		TP002 (Ion Chromatography Donex IC DX-120) based on USEPA 300.0 (1993)

		Nitrite)				
	Cations	Calcium	2.5-10,000 mg/l	Water for potable and domestic purpose. Other waters: ground waters, surface waters, Effluents, Leachates		TP004 (Ion Chromatography) based on ISO 14911:2008
		Hardness by calculation of magnesium and calcium values		Water for potable and domestic purpose. Other waters: ground waters, surface waters, Effluents, Leachates		TP004 (Ion Chromatography) based on ISO 14911:2008
		Magnesium	1-625 mg/l	Water for potable and domestic purpose. Other waters: ground waters, surface waters, Effluents, Leachates		TP004 (Ion Chromatography) based on ISO 14911:2008
		Potassium	1-2500 mg/l	Water for potable and domestic purpose. Other waters: ground waters, surface waters, Effluents, Leachates		TP004 (Ion Chromatography) based on ISO 14911:2008
		Sodium	1-10,000 mg/l	Water for potable and domestic purpose. Other waters: ground waters, surface waters, Effluents, Leachates		TP004 (Ion Chromatography) based on ISO 14911:2008
	Conductivity	Conductivity	5-12,500 uS/cm	Water for potable and domestic purpose. Other waters: ground waters, surface waters, Effluents, Leachates		TP005 based on APHA 22nd Edition 2510B(2012)
	Suspended Solids	Suspended Solids	2-1000 mg/l	Sewage, trade wastes, bore waters, other waters: surface water		TP015 based on APHA 22nd Edition 2540D (2012) (Total Suspended Solids dried at 100-105oC) Gravimetric determination at 103-105oC
	Total Phosphorus	Total Phosphorus	0.05-50 mg/l as P	Sewage, trade wastes, bore waters, other waters: surface water		TP011 based on APHA 22nd Edition 4500P-E (2012) and HACH method 8190 Edition 8, 04/2013 HACH Digestion + determination
767 Physical test/measurement - .01 pH	pH	pH	2-12	Water for potable and domestic purpose. Other waters: ground waters, surface waters, Effluents, Leachates		TP003 (Electrometry) based on APHA 22nd Edition 4500H+B(2012)