

Schedule of Accreditation



Organisation Name	Independent Analytical Supplies Ltd
Trading As	IAS Laboratories
INAB Reg No	275T
Contact Name	Sharon McGuinness
Address	Unit 4, Bagenalstown Business Park, Bagenalstown, Carlow, R21 YX99
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Website	
Accreditation Standard	ISO 17025 T
Date of award of accreditation	07/12/2010
Scope Classification	Biological and veterinary testing
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	Unit 4, Bagenalstown Business Park, Bagenalstown, Carlow, R21 YX99

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	Coliforms	MPN/ Colilert 18	Drinking Water	Colilert 18	Method SOP 2090, The Microbiology of Drinking Water (2009) Standing Committee of Analysts UK (2016) - Part 4D Methods for the Enumeration and Isolation of Coliforms and E.coli and Colilert 18 Kit Insert
	E.coli	MPN/Colilert 18	Drinking Water	Colilert 18	Method SOP 2090, The Microbiology of Drinking Water - Standing Committee of Analysts UK (2016)- Part 4D - Methods for the Enumeration and Isolation of Coliforms and E.coli and Colilert 18 Kit Insert
	Enterococci	MPN/Enterolert-DW	Drinking Water	Enterolert DW	Method SOP 2114 Microbiology of Drinking Water - Standing Committee of Analysts UK (2012) – Part 5B – Methods for the Isolation and Enumeration of Enterococci and Enterolert DW Kit Insert

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	Metals in Water by ICP-MS	Aluminium	10 - 500 µg/l	Drinking Water, Surface Water, Ground Water, Bore Water	ICP-MS	SOP 2125 Metals in Water by ICP-MS. Standard Methods for the Examination of Water and Wastewater, 23rd Edition
		Cadmium	0.5 - 100 µg/l	Drinking Water, Surface Water, Ground Water, Bore Water	ICP-MS	SOP 2125 Metals in Water by ICP-MS. Standard Methods for the Examination of Water and Wastewater, 23rd Edition
		Calcium	0.5 - 200 mg/l	Drinking Water, Surface Water, Ground Water, Bore Water	ICP-MS	SOP 2125 Metals in Water by ICP-MS. Standard Methods for the Examination of Water and Wastewater, 23rd Edition
		Chromium	5 - 500 µg/l	Drinking Water, Surface Water, Ground Water, Bore Water	ICP-MS	SOP 2125 Metals in Water by ICP-MS. Standard Methods for the Examination of Water and Wastewater, 23rd Edition
		Copper	10 - 500 µg/l	Drinking Water, Surface Water, Ground Water, Bore Water	ICP-MS	SOP 2125 Metals in Water by ICP-MS. Standard Methods for the Examination of Water and Wastewater, 23rd Edition

Hardness as CaCO ₃ (by calculation)	1 - 911 mg/l	Drinking Water	ICP-MS	SOP 2024 Hardness in Water by ICP-MS. Standard Methods for the Examination of Water and Wastewater, 23rd Edition
Iron	10 - 500 µg/l	Drinking Water, Surface Water, Ground Water, Bore Water	ICP-MS	SOP 2125 Metals in Water by ICP-MS. Standard Methods for the Examination of Water and Wastewater, 23rd Edition
Lead	1 - 100 µg/l	Drinking Water, Surface Water, Ground Water, Bore Water	ICP-MS	SOP 2125 Metals in Water by ICP-MS. Standard Methods for the Examination of Water and Wastewater, 23rd Edition
Magnesium	0.5 - 200 mg/l	Drinking Water, Surface Water, Ground Water, Bore Water	ICP-MS	SOP 2125 Metals in Water by ICP-MS. Standard Methods for the Examination of Water and Wastewater, 23rd Edition
Manganese	5 - 500 µg/l	Drinking Water, Surface Water, Ground Water, Bore Water	ICP-MS	SOP 2125 Metals in Water by ICP-MS. Standard Methods for the Examination of Water and Wastewater, 23rd Edition
Nickel	2 - 100 µg/l	Drinking Water, Surface Water, Ground Water, Bore Water	ICP-MS	SOP 2125 Metals in Water by ICP-MS. Standard Methods for the Examination of Water and Wastewater, 23rd Edition
Phosphorus	0.01 - 2 mg/l	Drinking Water, Surface Water,	ICP-MS	SOP 2126 Phosphorus in Water by ICP-MS.

				Ground Water, Bore Water and WWTP Effluent		Standard Methods for the Examination of Water and Wastewater, 23rd Edition
		Potassium	1 - 200 mg/l	Drinking Water, Surface Water, Ground Water, Bore Water	ICP-MS	SOP 2125 Metals in Water by ICP-MS. Standard Methods for the Examination of Water and Wastewater, 23rd Edition
		Sodium	0.5 - 200 mg/l	Drinking Water, Surface Water, Ground Water, Bore Water	ICP-MS	SOP 2125 Metals in Water by ICP-MS. Standard Methods for the Examination of Water and Wastewater, 23rd Edition
766 Environmental testing (inc waters) - .02 Biochemical oxygen demand	Biochemical Oxygen Demand	BOD	1-1000 mg/L	Leachates	Measurement of dissolved oxygen after 5 days incubation	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 5210 B/SOP 2006
			1-1000 mg/L	Sewage	Measurement of dissolved oxygen after 5 days incubation	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 5210 B/SOP 2006
			1-1000 mg/L	Surface Waters	Measurement of dissolved oxygen after 5 days incubation	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 5210 B/SOP 2006
			1-1000 mg/L	Trade Wastes	Measurement of dissolved oxygen after 5 days incubation	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 5210 B/SOP 2006

			1-1000 mg/L	WWTP Effluent	Measurement of dissolved oxygen after 5 days incubation	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 5210 B/SOP 2006
766 Environmental testing (inc waters) - .03 Chemical oxygen demand	Chemical Oxygen Demand	COD	1-150 mg/L	Leachates	Digestion and Colorimetry	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 5220 D/SOP 2005
			1-150 mg/L	Sewage	Digestion and Colorimetry	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 5220 D/SOP 2005
			1-150 mg/L	Surface Waters	Digestion and Colorimetry	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 5220 D/SOP 2005
			1-150 mg/L	Trade Wastes	Digestion and Colorimetry	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 5220 D/SOP 2005
			1-150 mg/L	WWTP Effluent	Digestion and Colorimetry	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 5220 D/SOP 2005
			50-5000 mg/L	Leachates	Digestion and Colorimetry	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 5220 D/SOP 2005
			50-5000 mg/L	Sewage	Digestion and Colorimetry	Standard Methods for the Examination of

						Water and Wastewater, 23rd Edition. Method 5220 D/SOP 2005
			50-5000 mg/L	Surface Waters	Digestion and Colorimetry	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 5220 D/SOP 2005
			50-5000 mg/L	Trade Wastes	Digestion and Colorimetry	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 5220 D/SOP 2005
			50-5000 mg/L	WWTP Effluent	Digestion and Colorimetry	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 5220 D/SOP 2005
766 Environmental testing (inc waters) - .04 Organic	Organic Matter	Organic Matter	0.1-99.9%	Soil	Combustion in furnace	Schedule 1 of SI No. 101 of 2009/SOP2007
766 Environmental testing (inc waters) - .05 Inorganic	Alkalinity	Alkalinity	1-1000 mg/L	Bore	Colorimetry using Konelab 20i Aquakem	SOP 2064
			1-1000 mg/L	Ground Water	Colorimetry using Konelab 20i Aquakem	SOP 2064
			1-1000 mg/L	Potable	Colorimetry using Konelab 20i Aquakem	SOP 2064
			1-1000 mg/L	Sewage	Colorimetry using Konelab 20i Aquakem	SOP 2064
			1-1000 mg/L	Surface Waters	Colorimetry using Konelab 20i Aquakem	SOP 2064
			1-1000 mg/L	Trade Wastes	Colorimetry using Konelab 20i Aquakem	SOP 2064
			1-1000 mg/L	WWTP Effluent	Colorimetry using Konelab 20i Aquakem	SOP 2064
	Ammonia/Ammonium	Ammonia/Ammonium	0.01-20 mg/l NH3-N	Bore	Colorimetry using Konelab 20i Aquakem	SOP 2057

0.01-20 mg/l NH3-N	Ground Water	Colorimetry using Konelab 20i Aquakem	SOP 2057
0.01-20 mg/l NH3-N	Potable	Colorimetry using Konelab 20i Aquakem	SOP 2057
0.01-20 mg/l NH3-N	Sewage	Colorimetry using Konelab 20i Aquakem	SOP 2057
0.01-20 mg/l NH3-N	Surface Waters	Colorimetry using Konelab 20i Aquakem	SOP 2057
0.01-20 mg/l NH3-N	Trade Wastes	Colorimetry using Konelab 20i Aquakem	SOP 2057
0.01-20 mg/l NH3-N	WWTP Effluent	Colorimetry using Konelab 20i Aquakem	SOP 2057
0.01-20 mg/l NH4-N	Bore	Colorimetry using Konelab 20i Aquakem	SOP 2057
0.01-20 mg/l NH4-N	Ground Water	Colorimetry using Konelab 20i Aquakem	SOP 2057
0.01-20 mg/l NH4-N	Potable	Colorimetry using Konelab 20i Aquakem	SOP 2057
0.01-20 mg/l NH4-N	Sewage	Colorimetry using Konelab 20i Aquakem	SOP 2057
0.01-20 mg/l NH4-N	Surface Waters	Colorimetry using Konelab 20i Aquakem	SOP 2057
0.01-20 mg/l NH4-N	Trade Wastes	Colorimetry using Konelab 20i Aquakem	SOP 2057
0.01-20 mg/l NH4-N	WWTP Effluent	Colorimetry using Konelab 20i Aquakem	SOP 2057
0.01-24.40 mg/l NH3	Bore	Colorimetry using Konelab 20i Aquakem	SOP 2057
0.01-24.40 mg/l NH3	Ground Water	Colorimetry using Konelab 20i Aquakem	SOP 2057
0.01-24.40 mg/l NH3	Potable	Colorimetry using Konelab 20i Aquakem	SOP 2057
0.01-24.40 mg/l NH3	Sewage	Colorimetry using Konelab 20i Aquakem	SOP 2057
0.01-24.40 mg/l NH3	Surface Waters	Colorimetry using Konelab 20i Aquakem	SOP 2057
0.01-24.40 mg/l NH3	Trade Wastes	Colorimetry using Konelab 20i Aquakem	SOP 2057

		0.01-24.40 mg/l NH3	WWTP Effluent	Colorimetry using Konelab 20i Aquakem	SOP 2057
		0.01-25.80 mg/l NH4	Bore	Colorimetry using Konelab 20i Aquakem	SOP 2057
		0.01-25.80 mg/l NH4	Ground Water	Colorimetry using Konelab 20i Aquakem	SOP 2057
		0.01-25.80 mg/l NH4	Potable	Colorimetry using Konelab 20i Aquakem	SOP 2057
		0.01-25.80 mg/l NH4	Sewage	Colorimetry using Konelab 20i Aquakem	SOP 2057
		0.01-25.80 mg/l NH4	Surface Waters	Colorimetry using Konelab 20i Aquakem	SOP 2057
		0.01-25.80 mg/l NH4	Trade Wastes	Colorimetry using Konelab 20i Aquakem	SOP 2057
		0.01-25.80 mg/l NH4	WWTP Effluent	Colorimetry using Konelab 20i Aquakem	SOP 2057
Chloride	Chloride	1-500 mg/L	Bore	Colorimetry using Konelab 20i Aquakem	SOP 2065
		1-500 mg/L	Ground Water	Colorimetry using Konelab 20i Aquakem	SOP 2065
		1-500 mg/L	Potable	Colorimetry using Konelab 20i Aquakem	SOP 2065
		1-500 mg/L	Sewage	Colorimetry using Konelab 20i Aquakem	SOP 2065
		1-500 mg/L	Surface Waters	Colorimetry using Konelab 20i Aquakem	SOP 2065
		1-500 mg/L	Trade Wastes	Colorimetry using Konelab 20i Aquakem	SOP 2065
		1-500 mg/L	WWTP Effluent	Colorimetry using Konelab 20i Aquakem	SOP 2065
Colour	Colour	1-500 Pt Co	Bore	Colorimetry using Konelab 20i Aquakem	SOP 2063
		1-500 Pt Co	Ground Water	Colorimetry using Konelab 20i Aquakem	SOP 2063
		1-500 Pt Co	Potable	Colorimetry using Konelab 20i Aquakem	SOP 2063
		1-500 Pt Co	Sewage	Colorimetry using Konelab 20i Aquakem	SOP 2063

		1-500 Pt Co	Surface Waters	Colorimetry using Konelab 20i Aquakem	SOP 2063
		1-500 Pt Co	Trade Wastes	Colorimetry using Konelab 20i Aquakem	SOP 2063
		1-500 Pt Co	WWTP Effluent	Colorimetry using Konelab 20i Aquakem	SOP 2063
Determination of Magnesium (Mg) in Morgans extract	Magnesium	25-300mg/L	Soil	Spectrophotometric technique	SOP 2127 based on Standard Method in DAF Publication: standard Soil analysis for Repls.
Determination of Phosphorous(P) in Morgans extract	Phosphorous	1-100mg/L	Soil	Spectrophotometric technique	SOP 2127 based on Standard Method in DAF Publication: standard Soil analysis for Repls.
Determination of Potassium(K) in Morgans extract	Potassium	25-300mg/L	Soil	Flame photometric technique	SOP 2127 based on Standard Method in DAF Publication: standard Soil analysis for Repls.
Extractable Magnesium	Extractable Magnesium (Morgans Extract)	25 - 200 mg/l	Soil	ICP-OES	SOP 2120 Based on Standard Soil Analysis for REPS
Extractable Phosphorous	Extractable Phosphorous (Morgans Extract)	1-20 mg/L	Soil	Morgans extract followed by colorimetry	Standard Method in DAF Publication:Standard Soil analysis for REPS:Nov 2004/SOP 2008
	Morgans Phosphorous	1.0-250.0 mg/L	Soil	Konelab 20i Aquakem	SOP 2040
Extractable Potassium	Extractable Potassium (Morgans Extract)	25-200 mg/L	Soil	Morgans extract followed by atomic absorption	Standard Method in DAF Publication:Standard Soil analysis for REPS:Nov 2004/SOP 2009
	Extractable Potassium (Morgans Extract)	25 - 200 mg/l	Soil	ICP-OES	SOP 2120 Based on Standard Soil Analysis for REPS
Fluoride in Drinking Water	Fluoride	0.08 - 1.5 mg/l	Drinking Water	Kone	SOP 2069 using the Kone 20i Aquakem

Nitrate	Nitrate	0.5-50mg/L NO3 as N	Bore	Colorimetry using Konelab 20i Aquakem	SOP 2060
		0.5-50mg/L NO3 as N	Ground Water	Colorimetry using Konelab 20i Aquakem	SOP 2060
		0.5-50mg/L NO3 as N	Potable	Colorimetry using Konelab 20i Aquakem	SOP 2060
		0.5-50mg/L NO3 as N	Sewage	Colorimetry using Konelab 20i Aquakem	SOP 2060
		0.5-50mg/L NO3 as N	Surface Waters	Colorimetry using Konelab 20i Aquakem	SOP 2060
		0.5-50mg/L NO3 as N	Trade Wastes	Colorimetry using Konelab 20i Aquakem	SOP 2060
		0.5-50mg/L NO3 as N	WWTP Effluent	Colorimetry using Konelab 20i Aquakem	SOP 2060
		2.2-220 mg/L NO3	Bore	Colorimetry using Konelab 20i Aquakem	SOP 2060
		2.2-220 mg/L NO3	Ground Water	Colorimetry using Konelab 20i Aquakem	SOP 2060
		2.2-220 mg/L NO3	Potable	Colorimetry using Konelab 20i Aquakem	SOP 2060
		2.2-220 mg/L NO3	Sewage	Colorimetry using Konelab 20i Aquakem	SOP 2060
		2.2-220 mg/L NO3	Surface Waters	Colorimetry using Konelab 20i Aquakem	SOP 2060
		2.2-220 mg/L NO3	Trade Wastes	Colorimetry using Konelab 20i Aquakem	SOP 2060
		2.2-220 mg/L NO3	WWTP Effluent	Colorimetry using Konelab 20i Aquakem	SOP 2060
		Nitrite	Nitrite	0.01-5mg/L NO2 as N	Bore
0.01-5mg/L NO2 as N	Ground Water			Colorimetry using Konelab 20i Aquakem	SOP 2059
0.01-5mg/L NO2 as N	Potable			Colorimetry using Konelab 20i Aquakem	SOP 2059
0.01-5mg/L NO2 as N	Sewage			Colorimetry using Konelab 20i Aquakem	SOP 2059
0.01-5mg/L NO2 as N	Surface Waters			Colorimetry using Konelab 20i Aquakem	SOP 2059

		0.01-5mg/L NO2 as N	Trade Wastes	Colorimetry using Konelab 20i Aquakem	SOP 2059	
		0.01-5mg/L NO2 as N	WWTP Effluent	Colorimetry using Konelab 20i Aquakem	SOP 2059	
		0.03-16.5mg/L NO2	Bore	Colorimetry using Konelab 20i Aquakem	SOP 2059	
		0.03-16.5mg/L NO2	Ground Water	Colorimetry using Konelab 20i Aquakem	SOP 2059	
		0.03-16.5mg/L NO2	Potable	Colorimetry using Konelab 20i Aquakem	SOP 2059	
		0.03-16.5mg/L NO2	Sewage	Colorimetry using Konelab 20i Aquakem	SOP 2059	
		0.03-16.5mg/L NO2	Surface Waters	Colorimetry using Konelab 20i Aquakem	SOP 2059	
		0.03-16.5mg/L NO2	Trade Wastes	Colorimetry using Konelab 20i Aquakem	SOP 2059	
		0.03-16.5mg/L NO2	WWTP Effluent	Colorimetry using Konelab 20i Aquakem	SOP 2059	
	Orthophosphate	Orthophosphate	0.01-10mg/L PO4	Bore	Colorimetry using Konelab 20i Aquakem	SOP 2061
			0.01-10mg/L PO4	Ground Water	Colorimetry using Konelab 20i Aquakem	SOP 2061
			0.01-10mg/L PO4	Potable	Colorimetry using Konelab 20i Aquakem	SOP 2061
			0.01-10mg/L PO4	Sewage	Colorimetry using Konelab 20i Aquakem	SOP 2061
			0.01-10mg/L PO4	Surface Waters	Colorimetry using Konelab 20i Aquakem	SOP 2061
			0.01-10mg/L PO4	Trade Wastes	Colorimetry using Konelab 20i Aquakem	SOP 2061
			0.01-10mg/L PO4	WWTP Effluent	Colorimetry using Konelab 20i Aquakem	SOP 2061
			0.01-3.26mg/L P	Bore	Colorimetry using Konelab 20i Aquakem	SOP 2061
			0.01-3.26mg/L P	Ground Water	Colorimetry using Konelab 20i Aquakem	SOP 2061
			0.01-3.26mg/L P	Potable	Colorimetry using Konelab 20i Aquakem	SOP 2061

0.01-3.26mg/L P	Sewage	Colorimetry using Konelab 20i Aquakem	SOP 2061
0.01-3.26mg/L P	Surface Waters	Colorimetry using Konelab 20i Aquakem	SOP 2061
0.01-3.26mg/L P	Trade Wastes	Colorimetry using Konelab 20i Aquakem	SOP 2061
0.01-3.26mg/L P	WWTP Effluent	Colorimetry using Konelab 20i Aquakem	SOP 2061
0.05-1.00 mg/L	Bore	UV Spectrophotometry	Standard Methods for the Examination of Water and Wastewater, 23rd Edition/ SOP2026
0.05-1.00 mg/L	Ground Water	UV Spectrophotometry	Standard Methods for the Examination of Water and Wastewater, 23rd Edition/ SOP2026
0.05-1.00 mg/L	Potable	UV Spectrophotometry	Standard Methods for the Examination of Water and Wastewater, 23rd Edition/ SOP2026
0.05-1.00 mg/L	Sewage	UV Spectrophotometry	Standard Methods for the Examination of Water and Wastewater, 23rd Edition / SOP2026
0.05-1.00 mg/L	Surface Waters	UV Spectrophotometry	Standard Methods for the Examination of Water and Wastewater, 23rd Edition / SOP2026
0.05-1.00 mg/L	Trade Wastes	UV Spectrophotometry	Standard Methods for the Examination of Water and Wastewater, 23rd Edition / SOP2026
0.05-1.00 mg/L	WWTP Effluent	UV Spectrophotometry	Standard Methods for the Examination of Water and Wastewater, 23rd Edition / SOP2026

Sulphate	Sulphate	2.5-500 mg/L	Bore	Colorimetry using Konelab 20i Aquakem	SOP 2062
		2.5-500 mg/L	Ground Water	Colorimetry using Konelab 20i Aquakem	SOP 2062
		2.5-500 mg/L	Potable	Colorimetry using Konelab 20i Aquakem	SOP 2062
		2.5-500 mg/L	Sewage	Colorimetry using Konelab 20i Aquakem	SOP 2062
		2.5-500 mg/L	Surface Waters	Colorimetry using Konelab 20i Aquakem	SOP 2062
		2.5-500 mg/L	Trade Wastes	Colorimetry using Konelab 20i Aquakem	SOP 2062
		2.5-500 mg/L	WWTP Effluent	Colorimetry using Konelab 20i Aquakem	SOP 2062
Total Nitrogen	Total Nitrogen	0.5-25 mg/L	Bore	Persulphate digestion method	SOP 2075
		0.5-25 mg/L	Ground Water	Persulphate digestion method	SOP 2075
		0.5-25 mg/L	Potable	Persulphate digestion method	SOP 2075
		0.5-25 mg/L	Sewage	Persulphate digestion method	SOP 2075
		0.5-25 mg/L	Surface Waters	Persulphate digestion method	SOP 2075
		0.5-25 mg/L	Trade Wastes	Persulphate digestion method	SOP 2075
Total Oxidised Nitrogen	Total Oxidised Nitrogen	0.5-10 mg/L TON as N (SOP 2077) 10-50 mg/L TON as N (SOP 2058)	Bore	Colorimetry using Konelab 20i Aquakem	SOP 2058/SOP 2077
		0.5-10 mg/L TON as N (SOP 2077) 10-50 mg/L TON as N (SOP 2058)	Ground Water	Colorimetry using Konelab 20i Aquakem	SOP 2058/SOP 2077
		0.5-10 mg/L TON as N (SOP 2077) 10-50 mg/L TON as N (SOP 2058)	Potable	Colorimetry using Konelab 20i Aquakem	SOP 2058/SOP 2077
		0.5-10 mg/L TON as N (SOP 2077)	Sewage	Colorimetry using Konelab 20i Aquakem	SOP 2058/SOP 2077

			10-50 mg/L TON as N (SOP 2058)			
			0.5-10 mg/L TON as N (SOP 2077) 10-50 mg/L TON as N (SOP 2058)	Surface Waters	Colorimetry using Konelab 20i Aquakem	SOP 2058/SOP 2077
			0.5-10 mg/L TON as N (SOP 2077) 10-50 mg/L TON as N (SOP 2058)	Trade Wastes	Colorimetry using Konelab 20i Aquakem	SOP 2058/SOP 2077
			0.5-10 mg/L TON as N (SOP 2077) 10-50 mg/L TON as N (SOP 2058)	WWTP Effluent	Colorimetry using Konelab 20i Aquakem	SOP 2058/SOP 2077
	Turbidity	Turbidity	0.02-1000 NTU	Bore	Turbidity meter (Tubriquant 1100T)	Based on Standard Methods for the Examination of Water and Wastewater , 23rd Edition Method 2130 / SOP 2022
			0.02-1000 NTU	Ground Water	Turbidity meter (Tubriquant 1100T)	Based on Standard Methods for the Examination of Water and Wastewater , 23rd Edition Method 2130 / SOP 2022
			0.02-1000 NTU	Potable	Turbidity meter (Tubriquant 1100T)	Based on Standard Methods for the Examination of Water and Wastewater , 23rd Edition Method 2130 / SOP 2022
			0.02-1000 NTU	Sewage	Turbidity meter (Tubriquant 1100T)	Based on Standard Methods for the Examination of Water and Wastewater , 23rd Edition Method 2130 / SOP 2022
			0.02-1000 NTU	Surface Waters	Turbidity meter (Tubriquant 1100T)	Based on Standard Methods for the

						Examination of Water and Wastewater , 23rd Edition Method 2130 / SOP 2022
			0.02-1000 NTU	Trade Wastes	Turbidity meter (Tubriquant 1100T)	Based on Standard Methods for the Examination of Water and Wastewater , 23rd Edition Method 2130 / SOP 2022
			0.02-1000 NTU	WWTP Effluent	Turbidity meter (Tubriquant 1100T)	Based on Standard Methods for the Examination of Water and Wastewater , 23rd Edition Method 2130 / SOP 2022
767 Physical test/measurement - .01 pH	pH	pH	4-10 pH units	Bore	pH electrode	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 4500 H+B/SOP 2004
			4-10 pH units	Groundwater	pH electrode	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 4500 H+B/SOP 2004
			4-10 pH units	Leachates	pH electrode	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 4500 H+B/SOP 2004
			4-10 pH units	Potable	pH electrode	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 4500 H+B/SOP 2004

		4-10 pH units	Sewage	pH electrode	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 4500 H+B/SOP 2004
		4-10 pH units	Surface Waters	pH electrode	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 4500 H+B/SOP 2004
		4-10 pH units	Trade Wastes	pH electrode	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 4500 H+B/SOP 2004
		4-10 pH units	WWTP effluent	pH electrode	Standard Methods for the Examination of Water and Wastewater, 23rd Edition. Method 4500 H+B/SOP 2004
Soil pH	Soil buffer pH (Lime Requirement)	4 - 10 pH Units	Soil	SKALAR Automated pH Meter	Standard Method in DAF Publication: Standard Soil analysis for REPS: Nov 2004/SOP 2121
		4-10 pH units	Soil	pH electrode	Standard Method in DAF Publication: Standard Soil analysis for REPS: Nov 2004/SOP2002
	Soil pH	4 - 10 pH Units	Soil	SKALAR Automated pH Meter	Standard Method in DAF Publication: Standard Soil analysis for REPS: Nov 2004/SOP 2121
		4-10 pH units	Soil	pH electrode	Standard Method in DAF Publication: Standard Soil analysis for REPS: Nov 2004/SOP2001

767 Physical test/measurement - .02 Conductivity	Conductivity	Conductivity	10-1999µs/cm	Bore	Mettler Toledo Conductivity Meter	SOP 2076
			10-1999µs/cm	Groundwater	Mettler Toledo Conductivity Meter	SOP 2076
			10-1999µs/cm	Leachates	Mettler Toledo Conductivity Meter	SOP 2076
			10-1999µs/cm	Potable	Mettler Toledo Conductivity Meter	SOP 2076
			10-1999µs/cm	Sewage	Mettler Toledo Conductivity Meter	SOP 2076
			10-1999µs/cm	Surface Waters	Mettler Toledo Conductivity Meter	SOP 2076
			10-1999µs/cm	Trade Wastes	Mettler Toledo Conductivity Meter	SOP 2076
			10-1999µs/cm	WWTP Effluent	Mettler Toledo Conductivity Meter	SOP 2076
767 Physical test/measurement - .03 Suspended Solids	Total Suspended Solids	Total Suspended Solids	1-1000 mg/L	Bore	Gravimetric Determination	Standard Methods for the Examination of Water and Wastewater, 23rd Edition/SOP2016
			1-1000 mg/L	Groundwater	Gravimetric Determination	Standard Methods for the Examination of Water and Wastewater, 23rd Edition/SOP2016
			1-1000 mg/L	Leachates	Gravimetric Determination	Standard Methods for the Examination of Water and Wastewater, 23rd Edition/SOP2016
			1-1000 mg/L	Potable	Gravimetric Determination	Standard Methods for the Examination of Water and Wastewater, 23rd Edition/SOP2016
			1-1000 mg/L	Sewage	Gravimetric Determination	Standard Methods for the Examination of Water and Wastewater, 23rd Edition/SOP2016

			1-1000 mg/L	Surface Waters	Gravimetric Determination	Standard Methods for the Examination of Water and Wastewater, 23rd Edition/SOP2016
			1-1000 mg/L	Trade Wastes	Gravimetric Determination	Standard Methods for the Examination of Water and Wastewater, 23rd Edition/SOP2016
			1-1000 mg/L	WWTP Effluent	Gravimetric Determination	Standard Methods for the Examination of Water and Wastewater, 23rd Edition/SOP2016