



APPENDIX 9-2

Lab Reports

CERTIFICATE OF ANALYSIS



ALS Life Sciences Ltd.,
Carrigeen Business Park Clonmel Co. Tipperary E91 PF63 Ireland
Telephone: +353 (0) 52 617 8100
www.alsglobal.ie

Page 1 of 2

Hydro Environmental Services
Hydro Environmental Services
22 Lower Main Street
Dungarvan, Co. Waterford
Ireland

Certificate Number: CLN071916-1 Final
Date Reported: 18/07/2025
Date Analysis Started: 10/07/2025

Lab Ref.	Sample Details	Method Number	Test	Result	Units	Flag
CLN237945	Prod: Rcvd Dt: 09/07/2025 Start Testing: 10/07/2025 Description: CooCoo - SW 1 8/7/25 15:00-17:00 Spt: Water Sample Type: Surface Waters	P280	BOD 5 day Total	4	mg/L O ₂	
		P285	Total Nitrogen	1.6	mg/L N	
		P281	Total Oxidised Nitrogen (TON)	0.62	mg/L N	
		P281	Nitrate	<1.0	mg/L NO ₃ N	
		P281	Nitrite	<0.01	mg/L NO ₂ N	
		P281	Ammonia	0.02	mg/L NH ₃ -N	
		P207	Total Phosphorus	0.78	mg/L P	
		P293	Orthophosphate	<0.02	mg/L P	
CLN237946	Prod: Rcvd Dt: 09/07/2025 Start Testing: 10/07/2025 Description: CooCoo - SW 2 8/7/25 15:00-17:00 Spt: Water Sample Type: Surface Waters	P280	BOD 5 day Total	1	mg/L O ₂	
		P285	Total Nitrogen	<1.0	mg/L N	
		P281	Total Oxidised Nitrogen (TON)	0.28	mg/L N	
		P281	Nitrate	<1.0	mg/L NO ₃ N	
		P281	Nitrite	<0.01	mg/L NO ₂ N	
		P281	Ammonia	<0.02	mg/L NH ₃ -N	
		P207	Total Phosphorus	0.31	mg/L P	
		P293	Orthophosphate	<0.02	mg/L P	
CLN237947	Prod: Rcvd Dt: 09/07/2025 Start Testing: 10/07/2025 Description: CooCoo - SW 3 8/7/25 15:00-17:00 Spt: Water Sample Type: Surface Waters	P280	BOD 5 day Total	1	mg/L O ₂	
		P285	Total Nitrogen	3.1	mg/L N	
		P281	Total Oxidised Nitrogen (TON)	<0.25	mg/L N	
		P281	Nitrate	<1.0	mg/L NO ₃ N	
		P281	Nitrite	<0.01	mg/L NO ₂ N	
		P281	Ammonia	<0.02	mg/L NH ₃ -N	
		P207	Total Phosphorus	0.51	mg/L P	
		P293	Orthophosphate	<0.02	mg/L P	
CLN237948	Prod: Rcvd Dt: 09/07/2025 Start Testing: 10/07/2025 Description: CooCoo - SW 4 8/7/25 15:00-17:00 Spt: Water Sample Type: Surface Waters	P280	BOD 5 day Total	<1	mg/L O ₂	
		P285	Total Nitrogen	2.4	mg/L N	
		P281	Total Oxidised Nitrogen (TON)	1.90	mg/L N	
		P281	Nitrate	1.9	mg/L NO ₃ N	
		P281	Nitrite	<0.01	mg/L NO ₂ N	
		P281	Ammonia	<0.02	mg/L NH ₃ -N	
		P207	Total Phosphorus	0.22	mg/L P	
		P293	Orthophosphate	<0.02	mg/L P	



Certificate Number: CLN071916-1 Final

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Lab Ref.	Sample Details	Method Number	Test	Result	Units	Flag
CLN237949	Prod: Rcvd Dt: 09/07/2025 Start Testing: 10/07/2025 Description: CooCoo - SW 5 8/7/25 15:00-17:00 Spt: Water Sample Type: Surface Waters	P280	BOD 5 day Total	1	mg/L O ₂	
		P285	Total Nitrogen	1.9	mg/L N	
		P281	Total Oxidised Nitrogen (TON)	1.39	mg/L N	
		P281	Nitrate	1.4	mg/L NO ₃ N	
		P281	Nitrite	<0.01	mg/L NO ₂ N	
		P281	Ammonia	<0.02	mg/L NH ₃ -N	
		P207	Total Phosphorus	0.15	mg/L P	
		P293	Orthophosphate	<0.02	mg/L P	

Certificate approved and electronically signed on 18/07/25 13:11

By Ciara Gildea, Senior Environmental Chemistry Analyst

For and on Behalf of ALS Life Sciences Ltd

Disclaimers:

The testing results in this certificate relate only to the samples described above.

Unless otherwise stated, all results are expressed on an as received basis.

Statement of conformity made against the result does not take into account the uncertainty of measurement associated to the method.

Opinions and interpretations expressed herein are outside the scope of INAB accreditation.

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CERTIFICATE OF ANALYSIS



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www.alsglobal.ie

Page 1 of 3

Hydro Environmental Services
Hydro Environmental Services
22 Lower Main Street
Dungarvan, Co. Waterford
Ireland

Certificate Number: CLN102687-1 Final
Date Reported: 18/09/2025
Date Analysis Started: 03/09/2025

Lab Ref.	Sample Details	Method Number	Test	Result	Units	Flag
CLN338597	Prod: Rcvd Dt: 02/09/2025 Start Testing: 03/09/2025 Description: Cooloo Sw1 Spt: Effluent Sample Type: Surface Waters	P280	BOD 5 day Total	2	mg/L O ₂	
		P202	Suspended Solids	<5	mg/L	
		P281	Chloride	17.3	mg/L Cl	
		P285	Total Nitrogen	1.7	mg/L N	
		P281	Total Oxidised Nitrogen (TON)	0.44	mg/L N	
		P281	Nitrate	<1.0	mg/L NO ₃ N	
		P281	Nitrite	0.01	mg/L NO ₂ N	
		P281	Ammonia	0.14	mg/L NH ₃ -N	
		P207	Total Phosphorus	<0.10	mg/L P	
		P293	Orthophosphate	<0.02	mg/L P	
CLN338598	Prod: Rcvd Dt: 02/09/2025 Start Testing: 03/09/2025 Description: Cooloo SW2 Spt: Effluent Sample Type: Surface Waters	P280	BOD 5 day Total	<1	mg/L O ₂	
		P202	Suspended Solids	42	mg/L	
		P281	Chloride	22.8	mg/L Cl	
		P285	Total Nitrogen	2.6	mg/L N	
		P281	Total Oxidised Nitrogen (TON)	2.57	mg/L N	
		P281	Nitrate	2.6	mg/L NO ₃ N	
		P281	Nitrite	<0.01	mg/L NO ₂ N	
		P281	Ammonia	<0.02	mg/L NH ₃ -N	
		P207	Total Phosphorus	<0.10	mg/L P	
		P293	Orthophosphate	<0.02	mg/L P	
CLN338599	Prod: Rcvd Dt: 02/09/2025 Start Testing: 03/09/2025 Description: Cooloo SW3 Spt: Effluent Sample Type: Surface Waters	P280	BOD 5 day Total	1	mg/L O ₂	
		P202	Suspended Solids	<5	mg/L	
		P281	Chloride	27.7	mg/L Cl	
		P285	Total Nitrogen	1.5	mg/L N	
		P281	Total Oxidised Nitrogen (TON)	1.00	mg/L N	
		P281	Nitrate	1.0	mg/L NO ₃ N	
		P281	Nitrite	<0.01	mg/L NO ₂ N	
		P281	Ammonia	<0.02	mg/L NH ₃ -N	
		P207	Total Phosphorus	0.10	mg/L P	
		P293	Orthophosphate	<0.02	mg/L P	



Certificate Number: CLN102687-1 Final

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Lab Ref.	Sample Details	Method Number	Test	Result	Units	Flag
CLN338600	Prod: Rcvd Dt: 02/09/2025 Start Testing: 03/09/2025 Description: Cooloo SW4 Spt: Effluent Sample Type: Surface Waters	P280	BOD 5 day Total	5	mg/L O ₂	
		P202	Suspended Solids	5	mg/L	
		P281	Chloride	18.2	mg/L Cl	
		P285	Total Nitrogen	1.6	mg/L N	
		P281	Total Oxidised Nitrogen (TON)	0.67	mg/L N	
		P281	Nitrate	<1.0	mg/L NO ₃ N	
		P281	Nitrite	<0.01	mg/L NO ₂ N	
		P281	Ammonia	0.03	mg/L NH ₃ -N	
		P207	Total Phosphorus	<0.10	mg/L P	
		P293	Orthophosphate	<0.02	mg/L P	
CLN338601	Prod: Rcvd Dt: 02/09/2025 Start Testing: 03/09/2025 Description: Cooloo SW5 Spt: Effluent Sample Type: Surface Waters	P280	BOD 5 day Total	3	mg/L O ₂	
		P202	Suspended Solids	7	mg/L	
		P281	Chloride	18.0	mg/L Cl	
		P285	Total Nitrogen	1.4	mg/L N	
		P281	Total Oxidised Nitrogen (TON)	0.77	mg/L N	
		P281	Nitrate	<1.0	mg/L NO ₃ N	
		P281	Nitrite	<0.01	mg/L NO ₂ N	
		P281	Ammonia	0.04	mg/L NH ₃ -N	
		P207	Total Phosphorus	<0.10	mg/L P	
		P293	Orthophosphate	0.02	mg/L P	
CLN338602	Prod: Rcvd Dt: 02/09/2025 Start Testing: 03/09/2025 Description: Toonagh SW1 Spt: Effluent Sample Type: Surface Waters	P280	BOD 5 day Total	2	mg/L O ₂	
		P202	Suspended Solids	<5	mg/L	
		P281	Chloride	26.5	mg/L Cl	
		P285	Total Nitrogen	<1.0	mg/L N	
		P281	Total Oxidised Nitrogen (TON)	0.64	mg/L N	
		P281	Nitrate	<1.0	mg/L NO ₃ N	
		P281	Nitrite	<0.01	mg/L NO ₂ N	
		P281	Ammonia	<0.02	mg/L NH ₃ -N	
		P207	Total Phosphorus	<0.10	mg/L P	
		P293	Orthophosphate	<0.02	mg/L P	



Certificate Number: CLN102687-1 Final

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Lab Ref.	Sample Details	Method Number	Test	Result	Units	Flag
CLN338603	Prod: Rcvd Dt: 02/09/2025 Start Testing: 03/09/2025 Description: Toonagh SW2 Spt: Effluent Sample Type: Surface Waters	P280	BOD 5 day Total	2	mg/L O ₂	
		P202	Suspended Solids	<5	mg/L	
		P281	Chloride	22.7	mg/L Cl	
		P285	Total Nitrogen	<1.0	mg/L N	
		P281	Total Oxidised Nitrogen (TON)	<0.25	mg/L N	
		P281	Nitrate	<1.0	mg/L NO ₃ N	
		P281	Nitrite	<0.01	mg/L NO ₂ N	
		P281	Ammonia	0.02	mg/L NH ₃ -N	
		P207	Total Phosphorus	<0.10	mg/L P	
		P293	Orthophosphate	0.04	mg/L P	
CLN338604	Prod: Rcvd Dt: 02/09/2025 Start Testing: 03/09/2025 Description: Lagoon Spt: Effluent Sample Type: Surface Waters	P280	BOD 5 day Total	3	mg/L O ₂	
		P202	Suspended Solids	<5	mg/L	
		P281	Chloride	13.2	mg/L Cl	
		P285	Total Nitrogen	<1.0	mg/L N	
		P281	Total Oxidised Nitrogen (TON)	<0.25	mg/L N	
		P281	Nitrate	<1.0	mg/L NO ₃ N	
		P281	Nitrite	<0.01	mg/L NO ₂ N	
		P281	Ammonia	0.24	mg/L NH ₃ -N	
		P207	Total Phosphorus	0.72	mg/L P	
		P293	Orthophosphate	<0.02	mg/L P	

Certificate approved and electronically signed on 18/09/25 16:05

By Ciara Gildea, Senior Environmental Chemistry Analyst

For and on Behalf of ALS Life Sciences Ltd

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Client: Hydro-Environmental Services
22
Lower Main Street
Dungarvan
Co. Waterford.
Waterford
IRELAND

Certificate Code: AR-24-M3-020151-01

Page Number: Page 1 of 6

PO reference:

Certificate of Analysis

Sample number	966-2024-00023707	Received on	22/08/2024
Your sample reference	COOLOO BH1	Analysis started on	23/08/2024
Sample Matrix	Ground water		
Sample Condition on Arrival	Satisfactory	Sample Date	22/08/2024
Time Sampled	12:00		

Test Code Analyte	SUB ⁵ Analysis Started	Method	LOQ ³	SPEC ²	Result	Units	ACCRED ⁴
Ammonia as NH3 (Calc) - Gallery [M3000]							
Ammonia as NH3 (Calc) - Gallery	23/08/24 14:07	EW175	0.01		0.0890	mg/l	C6
Suspended Solids [M3002]							
Suspended Solids	23/08/24 11:15	EW013	5		72.0	mg/l	C6
Chemical Oxygen Demand (COD) [M3004]							
Chemical oxygen demand (COD)	23/08/24 09:08	EW094	8		<8	mg/l	C6
Total Dissolved Solids (TDS) [M3006]							
Total dissolved solids @ 180°C	23/08/24 16:06	EW046	15		469	mg/l	C6
Total Nitrogen [M3007]							
Total Nitrogen	23/08/24 14:13	EW140	1		<1	mg/l	C6
Nitrate as NO3 (Calc) - Gallery [M300L]							
Nitrate as NO3 (Calc) - Gallery	23/08/24 14:07	EW175	4.4		<4.4	mg/l	C6
Sulphate mg/L - Gallery [M300N]							
Sulphate mg/L - Gallery	23/08/24 14:07	EW175	1		35.9	mg/l	C6
Phosphate (Ortho/MRP) as P - Gallery [M300P]							
Phosphate (Ortho/MRP) as P - Gallery	23/08/24 14:07	EW175	0.01		<0.01	mg/l	C6
Chloride mg/L - Gallery [M300S]							
Chloride mg/L - Gallery	23/08/24 14:07	EW175	5		29.5	mg/l	C6
Total Oxidised Nitrogen (TON) as N - Gallery [M300U]							
Total Oxidised Nitrogen (TON) as N - Gallery	23/08/24 14:07	EW175	1		<1	mg/l	C6
Nitrite as NO2 (Calc) - Gallery [M300Y]							
Nitrite as NO2 (Calc) - Gallery	23/08/24 14:07	EW175	0.033		<0.033	mg/l	C6
Ammonia as N - Gallery [M300Z]							

Signed:



Niamh Ward - Senior Laboratory Analyst

02/09/2024

NOTES

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5. * indicates the test was sub-contracted, "D" indicates the analysis was performed in Dublin and "C" indicates the analysis performed in Cork.
6. The sampling date was not communicated; this may impact the validity of the results unless provided.
- 7A. This test was conducted outside of recommended best practice holding time; this may impact the accreditation status/validity of the result. The result will still be technically sound in terms of the method and associated quality controls
- 7B. No time of sampling was supplied, a default time of 00:00:00 will be assumed for holding time calculations unless provided. This may impact the validity of the results.
- 7D. The sample was received close to or outside of the recommended best practice holding time; this may impact the accreditation status of the result.
8. This notification is based on the numerical result for the test without consideration of the uncertainty of measurement of the result, unless otherwise agreed in writing. Uncertainty of measurement has been calculated for all INAB accredited tests and is available upon request.
9. Report is issued as per our standard T&C of sale.

Client: Hydro-Environmental Services
22
Lower Main Street
Dungarvan
Co. Waterford.
Waterford
IRELAND

Certificate Code: AR-24-M3-020151-01

Page Number: Page 2 of 6

PO reference:

Sample number	966-2024-00023707	Received on	22/08/2024
Your sample reference	COOLOO BH1	Analysis started on	23/08/2024
Sample Matrix	Ground water		
Sample Condition on Arrival	Satisfactory	Sample Date	22/08/2024
Time Sampled	12:00		

Test Code Analyte	SUB ⁵ Analysis Started	Method	LOQ ³	SPEC ²	Result	Units	ACCRED ⁴
Ammonia as N - Gallery	23/08/24 14:07	EW175	0.01		0.0730	mg/l	C6
Nitrite (as N) - Gallery [M3016]							
Nitrite (as N) - Gallery	23/08/24 14:07	EW175	0.01		<0.01	mg/l	C6
Nitrate (as N) - Gallery [M301A]							
Nitrate (as N) - Gallery	23/08/24 14:07	EW175	1		<1	mg/l	C6
Biochemical Oxygen Demand (BOD) Robotic Method [M304E]							
Biochemical oxygen demand (BOD) 5d by Robotic Method	23/08/24 11:45	Ew001R	1		<1	mg/l	
Total Kjeldahl Nitrogen-TKN (CalcGallery) [M3128]							
Total Kjeldahl Nitrogen-TKN (CalcGallery)	26/08/24 13:22	EW010	1		0.00	mg/l	C6
Cadmium - Dissolved [M3164]							
Cadmium (Cd)	26/08/24 15:01	EW188			<0.1	µg/l	C6
Chromium - Dissolved [M3166]							
Chromium (Cr)	26/08/24 15:01	EW188			<1	µg/l	C6
Copper - Dissolved [M3168]							
Copper (Cu)	26/08/24 15:01	EW188	0.003		<0.003	mg/l	C6
Iron - Dissolved [M3172]							
Iron (Fe)	26/08/24 15:01	EW188	5		<5	µg/l	C6
Lead - Dissolved [M3173]							
Lead (Pb)	26/08/24 15:01	EW188	0.51		<0.51	µg/l	C6
Magnesium - Dissolved [M3174]							
Magnesium (Mg)	26/08/24 15:01	EW188	1.11		24.8	mg/l	C6
Manganese - Dissolved [M3175]							
Manganese (Mn)	26/08/24 15:01	EW188			123	µg/l	C6
Mercury - Dissolved [M3176]							
Mercury	26/08/24 15:01	EW188	0.03		<0.03	µg/l	C6

Signed:



02/09/2024

Niamh Ward - Senior Laboratory Analyst

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Client: Hydro-Environmental Services
22
Lower Main Street
Dungarvan
Co. Waterford.
Waterford
IRELAND

Certificate Code: AR-24-M3-020151-01

Page Number: Page 3 of 6

PO reference:

Sample number	966-2024-00023707	Received on	22/08/2024
Your sample reference	COOLOO BH1	Analysis started on	23/08/2024
Sample Matrix	Ground water		
Sample Condition on Arrival	Satisfactory	Sample Date	22/08/2024
Time Sampled	12:00		

Test Code Analyte	SUB ⁵ Analysis Started	Method	LOQ ³	SPEC ²	Result	Units	ACCRED ⁴
Nickel - Dissolved [M3178]							
Nickel (Ni)	26/08/24 15:01	EW188			9.17	µg/l	C6
Potassium - Dissolved [M3180]							
Potassium (K)	26/08/24 15:01	EW188	0.15		1.00	mg/l	C6
Sodium - Dissolved [M3184]							
Sodium (Na)	26/08/24 15:01	EW188	1.5		27.3	mg/l	C6
Zinc - Dissolved [M3194]							
Zinc (Zn)	26/08/24 15:01	EW188	1		15.6	µg/l	C6
TPH 3 Band (C6-10-21-40) in water [M502B]							
TPH >C10-C21	* 23/08/24 13:42		0.1		<0.1	µg/l	
TPH >C21-C40	* 23/08/24 13:42		0.1		<0.1	µg/l	
TPH >C6-C10	* 23/08/24 13:42		0.1		<0.1	µg/l	
TPH Total >C6-C40	* 23/08/24 13:42		10		<10	µg/l	

⁴ Accreditation Information

C6: ISO/IEC 17025:2017 INAB 138-T

Signed: _____



Niamh Ward - Senior Laboratory Analyst

02/09/2024

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- 7D. The sample was received close to or outside of the recommended best practice holding time; this may impact the accreditation status of the result.
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9. Report is issued as per our standard T&C of sale.

Client: Hydro-Environmental Services
22
Lower Main Street
Dungarvan
Co. Waterford.
Waterford
IRELAND

Certificate Code: AR-24-M3-020151-01

Page Number: Page 4 of 6

PO reference:

Sample number 966-2024-00023708

Received on 22/08/2024

Your sample reference COOLOO BH2

Analysis started on 23/08/2024

Sample Matrix Ground water

Sample Condition on Arrival Satisfactory

Sample Date 22/08/2024

Time Sampled 12:00

Test Code Analyte	SUB ⁵ Analysis Started	Method	LOQ ³	SPEC ²	Result	Units	ACCRED ⁴
Ammonia as NH3 (Calc) - Gallery [M3000]							
Ammonia as NH3 (Calc) - Gallery	23/08/24 14:07	EW175	0.01		0.0900	mg/l	C6
Suspended Solids [M3002]							
Suspended Solids	23/08/24 11:15	EW013	5		262	mg/l	C6
Chemical Oxygen Demand (COD) [M3004]							
Chemical oxygen demand (COD)	23/08/24 09:08	EW094	8		78.0	mg/l	C6
Total Dissolved Solids (TDS) [M3006]							
Total dissolved solids @ 180°C	23/08/24 16:06	EW046	15		472	mg/l	C6
Total Nitrogen [M3007]							
Total Nitrogen	23/08/24 14:24	EW140	1		1.64	mg/l	C6
Nitrate as NO3 (Calc) - Gallery [M300L]							
Nitrate as NO3 (Calc) - Gallery	23/08/24 14:07	EW175	4.4		<4.4	mg/l	C6
Sulphate mg/L - Gallery [M300N]							
Sulphate mg/L - Gallery	23/08/24 14:07	EW175	1		56.5	mg/l	C6
Phosphate (Ortho/MRP) as P - Gallery [M300P]							
Phosphate (Ortho/MRP) as P - Gallery	23/08/24 14:07	EW175	0.01		0.0450	mg/l	C6
Chloride mg/L - Gallery [M300S]							
Chloride mg/L - Gallery	23/08/24 14:07	EW175	5		26.2	mg/l	C6
Total Oxidised Nitrogen (TON) as N - Gallery [M300U]							
Total Oxidised Nitrogen (TON) as N - Gallery	23/08/24 14:07	EW175	1		<1	mg/l	C6
Nitrite as NO2 (Calc) - Gallery [M300Y]							
Nitrite as NO2 (Calc) - Gallery	23/08/24 14:07	EW175	0.033		<0.033	mg/l	C6
Ammonia as N - Gallery [M300Z]							
Ammonia as N - Gallery	23/08/24 14:07	EW175	0.01		0.0740	mg/l	C6
Nitrite (as N) - Gallery [M3016]							

Signed:



02/09/2024

Niamh Ward - Senior Laboratory Analyst

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5. * indicates the test was sub-contracted. "D" indicates the analysis was performed in Dublin and "C" indicates the analysis performed in Cork.

6. The sampling date was not communicated; this may impact the validity of the results unless provided.

7A. This test was conducted outside of recommended best practice holding time; this may impact the accreditation status/validity of the result. The result will still be technically sound in terms of the method and associated quality controls

7B. No time of sampling was supplied, a default time of 00:00:00 will be assumed for holding time calculations unless provided. This may impact the validity of the results.

7D. The sample was received close to or outside of the recommended best practice holding time; this may impact the accreditation status of the result.

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9. Report is issued as per our standard T&C of sale.

Client: Hydro-Environmental Services
22
Lower Main Street
Dungarvan
Co. Waterford.
Waterford
IRELAND

Certificate Code: AR-24-M3-020151-01

Page Number: Page 5 of 6

PO reference:

Sample number	966-2024-00023708	Received on	22/08/2024
Your sample reference	COOLOO BH2	Analysis started on	23/08/2024
Sample Matrix	Ground water		
Sample Condition on Arrival	Satisfactory	Sample Date	22/08/2024
Time Sampled	12:00		

Test Code Analyte	SUB ⁵ Analysis Started	Method	LOQ ³	SPEC ²	Result	Units	ACCRED ⁴
Nitrite (as N) - Gallery	23/08/24 14:07	EW175	0.01		<0.01	mg/l	C6
Nitrate (as N) - Gallery [M301A]							
Nitrate (as N) - Gallery	23/08/24 14:07	EW175	1		<1	mg/l	C6
Biochemical Oxygen Demand (BOD) Robotic Method [M304E]							
Biochemical oxygen demand (BOD) 5d by Robotic Method	23/08/24 11:45	Ew001R	1		1.00	mg/l	C6
Total Kjeldahl Nitrogen-TKN (CalcGallery) [M3128]							
Total Kjeldahl Nitrogen-TKN (CalcGallery)	26/08/24 13:22	EW010	1		1.64	mg/l	C6
Cadmium - Dissolved [M3164]							
Cadmium (Cd)	26/08/24 15:01	EW188			<0.1	µg/l	C6
Chromium - Dissolved [M3166]							
Chromium (Cr)	26/08/24 15:01	EW188			<1	µg/l	C6
Copper - Dissolved [M3168]							
Copper (Cu)	26/08/24 15:01	EW188	0.003		<0.003	mg/l	C6
Iron - Dissolved [M3172]							
Iron (Fe)	26/08/24 15:01	EW188	5		<5	µg/l	C6
Lead - Dissolved [M3173]							
Lead (Pb)	26/08/24 15:01	EW188	0.51		<0.51	µg/l	C6
Magnesium - Dissolved [M3174]							
Magnesium (Mg)	26/08/24 15:01	EW188	1.11		35.0	mg/l	C6
Manganese - Dissolved [M3175]							
Manganese (Mn)	26/08/24 15:01	EW188			338	µg/l	C6
Mercury - Dissolved [M3176]							
Mercury	26/08/24 15:01	EW188	0.03		<0.03	µg/l	C6
Nickel - Dissolved [M3178]							
Nickel (Ni)	26/08/24 15:01	EW188			4.72	µg/l	C6



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Certificate Code: AR-24-M3-020151-01

Page Number: Page 6 of 6

PO reference:

Sample number 966-2024-00023708

Received on 22/08/2024

Your sample reference COOLOO BH2

Analysis started on 23/08/2024

Sample Matrix Ground water

Sample Condition on Arrival Satisfactory

Sample Date 22/08/2024

Time Sampled 12:00

Test Code Analyte	SUB ⁵ Analysis Started	Method	LOQ ³	SPEC ²	Result	Units	ACCRED ⁴
Potassium - Dissolved [M3180]							
Potassium (K)	26/08/24 15:01	EW188	0.15		1.26	mg/l	C6
Sodium - Dissolved [M3184]							
Sodium (Na)	26/08/24 15:01	EW188	1.5		30.2	mg/l	C6
Zinc - Dissolved [M3194]							
Zinc (Zn)	26/08/24 15:01	EW188	1		16.9	µg/l	C6
TPH 3 Band (C6-10-21-40) in water [M502B]							
TPH >C10-C21	* 23/08/24 13:42		0.1		<0.1	µg/l	
TPH >C21-C40	* 23/08/24 13:42		0.1		<0.1	µg/l	
TPH >C6-C10	* 23/08/24 13:42		0.1		<0.1	µg/l	
TPH Total >C6-C40	* 23/08/24 13:42		10		<10	µg/l	

⁴ Accreditation Information

C6: ISO/IEC 17025:2017 INAB 138-T

Signed: _____



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02/09/2024

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