

RECEIVED: 07/05/2024



APPENDIX 9-3

**ORIGINAL LABORATORY
REPORTS**



ALS Life Sciences Ltd trading as ALS
Carrigeen Business Park, Clonmel, Co. Tipperary
Telephone: +353 (0) 52 617 8100



Report No: HYDR-918140723

Document No: EF0011

RECEIVED: 07/09/2024

CERTIFICATE OF ANALYSIS

Client **Hydro Environmental Services**
22 Lower Main Street
Dungarvan
Co. Waterford

Date Submitted 14/07/2023
Date Reported 02/08/2023
Order Number P1599

For the Attention of: Hydro Environmental Services

Sample Reception 4 sample(s) received in good condition.

Comments N/A

Report Authorised by:

Rosemary Thomas
Environmental Chemistry Manager

Conditions:

1. Results in this report relate only to the items tested
2. Reports may not be reproduced except in full without the approval of ALS Life Sciences Ltd
3. All queries regarding this report should be addressed to the Technical Manager at the above address
4. A * next to a method reference signifies that ALS Life Sciences Ltd is NOT INAB accredited for this method
5. Results reported as CFU/cm² are calculated based on information supplied by customer regarding area swabbed
6. SUBCON* indicates analysis subcontracted to approved subcontractors who do not hold accreditation for this test
7. SUBCON^ indicates analysis subcontracted to approved subcontractors who hold accreditation for this test
8. Where sampling is undertaken by ALS personnel, sampling activities are outside the scope of INAB accreditation
9. Dil next to a method reference indicates that a dilution of the water sample was undertaken during testing
10. Statement of conformity made against the result does not take into account the uncertainty of measurement associated with the method



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Report No: HYDR-918140723

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CERTIFICATE OF ANALYSIS

Date Submitted 14/07/2023

Date Reported 02/08/2023

Order Number P1599

Sample Type Water
Client ID P1599 SW1 Seskin 14/07/2023 13.00
Date Tested 14/07/2023
ALS ID 5662723

Test	Result	Unit	Method
Suspended Solids	72	mg / l	P202
Phosphorus	0.18	mg/l P	P207
BOD 5 day Total	4	mg/l O ₂	P280
Ammonia	0.04	mg/l NH ₃ -N	P281
Chloride	9.7	mg/l Cl	P281
Nitrate	<5.0	mg/l NO ₃	P281
Nitrite	<0.05	mg/l NO ₂	P281
Orthophosphate	<0.02	mg/l P	P281
Total Oxidised Nitrogen	<0.25	mg/L N	P281
Nitrogen (Total)	1.7	mg/L N	P285

Sample Type Water
Client ID P1599 SW2 Seskin 14/07/2023 13.30
Date Tested 14/07/2023
ALS ID 5662724

Test	Result	Unit	Method
Suspended Solids	97	mg / l	P202
Phosphorus	0.35	mg/l P	P207
BOD 5 day Total	17	mg/l O ₂	P280*
Ammonia	0.19	mg/l NH ₃ -N	P281
Chloride	14.6	mg/l Cl	P281
Nitrate	7.0	mg/l NO ₃	P281
Nitrite	<0.05	mg/l NO ₂	P281
Orthophosphate	0.09	mg/l P	P281
Total Oxidised Nitrogen	1.58	mg/L N	P281
Nitrogen (Total)	3.2	mg/L N	P285

Report Authorised by:

Rosemary Thomas

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Environmental Chemistry Manager



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Date Submitted 14/07/2023

Date Reported 02/08/2023

Order Number P1599

Sample Type Water
Client ID P1599 SW3 Seskin 14/07/2023 14.00
Date Tested 14/07/2023
ALS ID 5662725

Test	Result	Unit	Method
Suspended Solids	14	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
BOD 5 day Total	2	mg/l O2	P280
Ammonia	<0.02	mg/l NH3-N	P281
Chloride	9.1	mg/l Cl	P281
Nitrate	<5.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	<0.02	mg/l P	P281
Total Oxidised Nitrogen	<0.25	mg/L N	P281
Nitrogen (Total)	1.2	mg/L N	P285

Sample Type Water
Client ID P1599 SW4 Seskin 14/07/2023 14.30
Date Tested 14/07/2023
ALS ID 5662726

Test	Result	Unit	Method
Suspended Solids	39	mg / l	P202
Phosphorus	0.24	mg/l P	P207
BOD 5 day Total	5	mg/l O2	P280
Ammonia	0.05	mg/l NH3-N	P281
Chloride	20.3	mg/l Cl	P281
Nitrate	<5.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	0.11	mg/l P	P281
Total Oxidised Nitrogen	1.02	mg/L N	P281
Nitrogen (Total)	1.5	mg/L N	P285

Report Authorised by:

Rosemary Thomas



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Report No: HYDR-735141223

Document No: EF0011

RECEIVED: 07/01/2024

CERTIFICATE OF ANALYSIS

Client **Hydro Environmental Services**
22 Lower Main Street
Dungarvan
Co. Waterford

Date Submitted 14/12/2023
Date Reported 21/12/2023
Order Number P1599-0

For the Attention of: Hydro Environmental Services
Sample Reception 4 sample(s) received in good condition.

Comments N/A

Report Authorised by:

Rosemary Thomas
Environmental Chemistry Manager

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Report No: HYDR-735141223

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CERTIFICATE OF ANALYSIS

Date Submitted 14/12/2023
Date Reported 21/12/2023
Order Number P1599-0

Sample Type Surface Water
Client ID P1599 Seskin SW1 14/12/23 @ 12.00
Date Tested 15/12/2023
ALS ID 5899700

Test	Result	Unit	Method
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
BOD 5 day Total	1	mg/l O2	P280
Ammonia	0.02	mg/l NH3-N	P281
Chloride	10.8	mg/l Cl	P281
Nitrate	9.2	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	<0.02	mg/l P	P281
Total Oxidised Nitrogen	2.08	mg/L N	P281
Nitrogen (Total)	4.0	mg/L N	P285

Sample Type Surface Water
Client ID P1599 Seskin SW2 14/12/23 @ 12.30
Date Tested 15/12/2023
ALS ID 5899701

Test	Result	Unit	Method
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
BOD 5 day Total	1	mg/l O2	P280
Ammonia	0.02	mg/l NH3-N	P281
Chloride	8.8	mg/l Cl	P281
Nitrate	<5.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	<0.02	mg/l P	P281
Total Oxidised Nitrogen	<0.25	mg/L N	P281
Nitrogen (Total)	1.2	mg/L N	P285

Report Authorised by:

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CERTIFICATE OF ANALYSIS

Date Submitted 14/12/2023
Date Reported 21/12/2023
Order Number P1599-0

Sample Type Surface Water
Client ID P1599 Seskin SW3 14/12/23 @ 13.00
Date Tested 15/12/2023
ALS ID 5899702

Test	Result	Unit	Method
Suspended Solids	<7	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
BOD 5 day Total	1	mg/l O2	P280
Ammonia	0.03	mg/l NH3-N	P281
Chloride	13.4	mg/l Cl	P281
Nitrate	<5.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	<0.02	mg/l P	P281
Total Oxidised Nitrogen	0.69	mg/L N	P281
Nitrogen (Total)	2.0	mg/L N	P285

Sample Type Surface Water
Client ID P1599 Seskin SW4 14/12/23 @ 13.30
Date Tested 15/12/2023
ALS ID 5899703

Test	Result	Unit	Method
Suspended Solids	<7	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
BOD 5 day Total	<1	mg/l O2	P280
Ammonia	0.05	mg/l NH3-N	P281
Chloride	14.0	mg/l Cl	P281
Nitrate	8.3	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Orthophosphate	<0.02	mg/l P	P281
Total Oxidised Nitrogen	1.88	mg/L N	P281
Nitrogen (Total)	2.6	mg/L N	P285

Report Authorised by:

Rosemary Thomas