



**APPENDIX 23-3**  
**WATER QUALITY REPORTS**



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



Report No: HYDR-604160823

Document No: EF0011

## CERTIFICATE OF ANALYSIS

<b>Client</b>	<b>Hydro Environmental Services</b> 22 Lower Main Street Dungarvan Co. Waterford	<b>Date Submitted</b>	16/08/2023
		<b>Date Reported</b>	06/09/2023
		<b>Order Number</b>	P1648-0
<b>For the Attention of:</b>	Hydro Environmental Services		
<b>Sample Reception</b>	5 sample(s) received in good condition.		
<b>Comments</b>	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/cm<sup>2</sup> 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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### CERTIFICATE OF ANALYSIS

Date Submitted 16/08/2023

Date Reported 06/09/2023

Order Number P1648-0

Sample Type Water  
Client ID Sceirde SW1 12.15 15/08/2023  
Date Tested 16/08/2023  
ALS ID 5710482

Test	Result	Unit	Method
Suspended Solids	<5	mg / l	P202
Phosphorus	0.10	mg/l P	P207
BOD 5 day Total	<2	mg/l O2	P280*
Orthophosphate	0.03	mg/l P	P281
Ammonia	0.03	mg/l NH3-N	P281
Nitrite	<0.01	mg/l NO2N	P281
Nitrate	<1.0	mg/l NO3N	P281
Chloride	65.3	mg/l Cl	P281
Total Oxidised Nitrogen	<0.25	mg/L N	P281
Nitrogen (Total)	<1.0	mg/L N	P285

Sample Type Water  
Client ID Sceirde SW2 12.45 15/08/2023  
Date Tested 16/08/2023  
ALS ID 5710483

Test	Result	Unit	Method
Suspended Solids	16	mg / l	P202
Phosphorus	0.27	mg/l P	P207
BOD 5 day Total	12	mg/l O2	P280*
Orthophosphate	<0.02	mg/l P	P281
Ammonia	<0.02	mg/l NH3-N	P281
Nitrite	<0.01	mg/l NO2N	P281
Nitrate	<1.0	mg/l NO3N	P281
Chloride	42.7	mg/l Cl	P281
Total Oxidised Nitrogen	<0.25	mg/L N	P281
Nitrogen (Total)	1.6	mg/L N	P285

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Date Submitted 16/08/2023

Date Reported 06/09/2023

Order Number P1648-0

Sample Type Water  
Client ID Sceirde SW3 13.00 15/08/2023  
Date Tested 16/08/2023  
ALS ID 5710484

Test	Result	Unit	Method
Suspended Solids	<5	mg / l	P202
Phosphorus	0.32	mg/l P	P207
BOD 5 day Total	5	mg/l O2	P280*
Orthophosphate	0.12	mg/l P	P281
Ammonia	0.03	mg/l NH3-N	P281
Nitrite	<0.01	mg/l NO2N	P281
Nitrate	<1.0	mg/l NO3N	P281
Chloride	34.3	mg/l Cl	P281
Total Oxidised Nitrogen	<0.25	mg/L N	P281
Nitrogen (Total)	1.5	mg/L N	P285

Sample Type Water  
Client ID Sceirde SW5 13.45 15/08/2023  
Date Tested 16/08/2023  
ALS ID 5710486

Test	Result	Unit	Method
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
BOD 5 day Total	3	mg/l O2	P280
Orthophosphate	0.03	mg/l P	P281
Ammonia	0.05	mg/l NH3-N	P281
Nitrite	<0.01	mg/l NO2N	P281
Nitrate	<1.0	mg/l NO3N	P281
Chloride	35.6	mg/l Cl	P281
Total Oxidised Nitrogen	<0.25	mg/L N	P281
Nitrogen (Total)	1.0	mg/L N	P285

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### CERTIFICATE OF ANALYSIS

**Date Submitted** 16/08/2023  
**Date Reported** 06/09/2023  
**Order Number** P1648-0

**Sample Type** Water  
**Client ID** Sceirde SW6 14.00 15/08/2023  
**Date Tested** 16/08/2023  
**ALS ID** 5710487

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<6	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
BOD 5 day Total	4	mg/l O2	P280
Orthophosphate	0.03	mg/l P	P281
Ammonia	0.06	mg/l NH3-N	P281
Nitrite	<0.01	mg/l NO2N	P281
Nitrate	<1.0	mg/l NO3N	P281
Chloride	35.6	mg/l Cl	P281
Total Oxidised Nitrogen	<0.25	mg/L N	P281
Nitrogen (Total)	1.2	mg/L N	P285

Report Authorised by:

*Rosemary Thomas*

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