

ALS Life Sciences Ltd trading as ALS Carrigeen Business Park, Clonmel, Co. Tipperary

Telephone: +353 (0) 52 617 8100



Report No: TCEG-820180123

Document No: EF0011

CERTIFICATE OF ANALYSIS

Client **Tobin Consulting Engineers**

Block 10-4

Blanchardstown Corporate Park

Dublin 15

Date Reported

18/01/2023 29/01/2023

Order Number

Date Submitted

11474

For the Attention of: John Dillon

Sample Reception 5 sample(s) received in good condition.

N/A Comments

Report Authorised by:

Rosemary Thomas

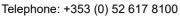
Environmental Chemistry Manager

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- 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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18/01/2023 **Date Submitted** 29/01/2023 **Date Reported** 11474 **Order Number**

Water Sample Type

18/1/23 SWA **Client ID** 19/01/2023 **Date Tested** 5384641 ALS ID

<u>Test</u>	<u>Result</u>	<u>Unit</u>	Method
Suspended Solids	5	mg / I	P202
рН	8.3	pH units	P233
Ammonium	< 0.03	mg/l NH4	P281
Orthophosphate	<0.02	mg/l P	P281
Nitrate	<1.0	mg/l NO3N	P281
Nitrite	<0.01	mg/l NO2N	P281
Total Oxidised Nitrogen	0.79	mg/L N	P281
Conductivity @ 20°C	451	μs/cm	P284

Sample Type Water Client ID 18/1/23 SWB 19/01/2023 **Date Tested** 5384642 **ALS ID**

<u>Test</u>	Result	<u>Unit</u>	Method
Suspended Solids	5	mg / I	P202
рН	7.8	pH units	P233
Ammonium	<0.03	mg/l NH4	P281
Orthophosphate	<0.02	mg/l P	P281
Nitrate	<1.0	mg/l NO3N	P281
Nitrite	<0.01	mg/l NO2N	P281
Total Oxidised Nitrogen	0.35	mg/L N	P281
Conductivity @ 20°C	221	μs/cm	P284

Report Authorised by:

Rosemary Thomas **Environmental Chemistry Manager**



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 Date Submitted
 18/01/2023

 Date Reported
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 Order Number
 11474

Sample Type Water

 Client ID
 18/1/23 SWC

 Date Tested
 19/01/2023

 ALS ID
 5384643

<u>Test</u>	Result	<u>Unit</u>	Method
Suspended Solids	21	mg / I	P202
рН	7.8	pH units	P233
Ammonium	0.06	mg/l NH4	P281
Orthophosphate	<0.02	mg/I P	P281
Nitrate	5.6	mg/l NO3N	P281
Nitrite	0.03	mg/l NO2N	P281
Total Oxidised Nitrogen	5.61	mg/L N	P281
Conductivity @ 20°C	722	μs/cm	P284

 Sample Type
 Water

 Client ID
 18/1/23 SWD

 Date Tested
 19/01/2023

 ALS ID
 5384644

<u>Test</u>	<u>Result</u>	<u>Unit</u>	Method
Suspended Solids	<5	mg / I	P202
pH	7.7	pH units	P233
Ammonium	< 0.03	mg/l NH4	P281
Orthophosphate	<0.02	mg/l P	P281
Nitrate	<1.0	mg/l NO3N	P281
Nitrite	<0.01	mg/l NO2N	P281
Total Oxidised Nitrogen	0.65	mg/L N	P281
Conductivity @ 20°C	411	μs/cm	P284

Report Authorised by:

- Thomas

Rosemary Thomas
Environmental Chemistry Manager



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18/01/2023 **Date Submitted** 29/01/2023 **Date Reported** 11474 **Order Number**

Water Sample Type

Client ID 18/1/23 SWE 19/01/2023 **Date Tested** ALS ID 5384645

<u>Test</u>	Result	<u>Unit</u>	Method
Suspended Solids	<5	mg / I	P202
pH	7.4	pH units	P233
Ammonium	0.81	mg/l NH4	P281
Orthophosphate	< 0.02	mg/l P	P281
Nitrate	3.2	mg/l NO3N	P281
Nitrite	0.04	mg/l NO2N	P281
Total Oxidised Nitrogen	3.22	mg/L N	P281
Conductivity @ 20°C	465	μs/cm	P284

Report Authorised by:

Rosemary Thomas **Environmental Chemistry Manager**