



APPENDIX 9-1

WATER QUALITY REPORTS



ALS Life Sciences Ltd
Trading as ALS
Carrigeen Business Park, Clonmel, Co. Tipperary
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www.alsglobal.ie



Report No: HYDR-251190520

Document No: EF0011

SUPPLEMENTARY CERTIFICATE OF ANALYSIS

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

Date Received 19/05/2020

Date Reported 26/05/2020

Order Number N/A

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. This supplementary certificate replaces the previous certificate which must be destroyed



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SUPPLEMENTARY CERTIFICATE OF ANALYSIS

Date Received 19/05/2020
Date Reported 26/05/2020
Order Number N/A

Sample Type Water
Client ID Slievecurry - SW1
Date Tested 19/05/2020
ALS ID 3999558

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
BOD 5 day Total with ATU	6	mg/l O2	P280
Orthophosphate	<0.02	mg/l P	P281
Chloride	39.4	mg/l CL	P281
Nitrate	<5.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	<0.02	mg/l NH3-N	P281
Nitrogen (Total)	<1.0	mg/L N	P285

Sample Type Water
Client ID Slievecurry - SW2
Date Tested 19/05/2020
ALS ID 3999559

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
BOD 5 day Total with ATU	1	mg/l O2	P280
Orthophosphate	0.02	mg/l P	P281
Chloride	30.0	mg/l CL	P281
Nitrate	<5.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	0.02	mg/l NH3-N	P281
Nitrogen (Total)	1.0	mg/L N	P285

Report Authorised by:

Rosemary Thomas



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SUPPLEMENTARY CERTIFICATE OF ANALYSIS

Date Received 19/05/2020
Date Reported 26/05/2020
Order Number N/A

Sample Type Water
Client ID Slievecurry - SW3
Date Tested 19/05/2020
ALS ID 3999561

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	0.18	mg/l P	P207
BOD 5 day Total with ATU	2	mg/l O2	P280
Orthophosphate	0.16	mg/l P	P281
Chloride	31.1	mg/l CL	P281
Nitrate	<5.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	<0.02	mg/l NH3-N	P281
Nitrogen (Total)	<1.0	mg/L N	P285

Sample Type Water
Client ID Slievecurry - SW4
Date Tested 19/05/2020
ALS ID 3999563

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	0.13	mg/l P	P207
BOD 5 day Total with ATU	<1	mg/l O2	P280
Orthophosphate	0.04	mg/l P	P281
Chloride	25.4	mg/l CL	P281
Nitrate	<5.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Ammonia	0.06	mg/l NH3-N	P281
Nitrogen (Total)	<1.0	mg/L N	P285

Report Authorised by:

Rosemary Thomas



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Report No: HYDR-498260221

Document No: EF0011

CERTIFICATE OF ANALYSIS

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

Date Received 26/02/2021

Date Reported 03/03/2021

Order Number P1159

For the Attention of: Hydro Environmental Services

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

Comments N/A

Report Authorised by:

Lyndsey Hughes

Deputy Environmental Chemistry Manager

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CERTIFICATE OF ANALYSIS

Date Received 26/02/2021
Date Reported 03/03/2021
Order Number P1159

Sample Type Surface Water
Client ID Slievecurry SW1
Date Tested 26/02/2021
ALS ID 4372715

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<10	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
Sulphate	6.39	mg/l SO4	P243
BOD 5 day Total	5	mg/l O2	P280
Ammonia	<0.02	mg/l NH3-N	P281
Nitrate	<5.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Chloride	19.9	mg/l Cl	P281
Orthophosphate	<0.02	mg/l P	P281
Nitrogen (Total)	<1.0	mg/L N	P285

Sample Type Surface Water
Client ID Slievecurry SW2
Date Tested 26/02/2021
ALS ID 4372716

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
Sulphate	6.55	mg/l SO4	P243
BOD 5 day Total	<1	mg/l O2	P280
Ammonia	0.02	mg/l NH3-N	P281
Nitrate	<5.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Chloride	15.0	mg/l Cl	P281
Orthophosphate	<0.02	mg/l P	P281
Nitrogen (Total)	<1.0	mg/L N	P285

Report Authorised by:

Lyndsey Hughes

Lyndsey Hughes

Deputy Environmental Chemistry Manager



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CERTIFICATE OF ANALYSIS

Date Received 26/02/2021
Date Reported 03/03/2021
Order Number P1159

Sample Type Surface Water
Client ID Slievecurry SW3
Date Tested 26/02/2021
ALS ID 4372717

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
Sulphate	5.59	mg/l SO4	P243
BOD 5 day Total	<1	mg/l O2	P280
Ammonia	0.02	mg/l NH3-N	P281
Nitrate	<5.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Chloride	14.9	mg/l Cl	P281
Orthophosphate	<0.02	mg/l P	P281
Nitrogen (Total)	<1.0	mg/L N	P285

Sample Type Surface Water
Client ID Slievecurry SW4
Date Tested 26/02/2021
ALS ID 4372718

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Phosphorus	<0.10	mg/l P	P207
Sulphate	5.18	mg/l SO4	P243
BOD 5 day Total	<1	mg/l O2	P280
Ammonia	0.02	mg/l NH3-N	P281
Nitrate	8.7	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Chloride	14.6	mg/l Cl	P281
Orthophosphate	<0.02	mg/l P	P281
Nitrogen (Total)	<1.0	mg/L N	P285

Report Authorised by:

Lyndey Hughes