

# Appendix 8-3

---

## Laboratory Results - Surface Water



ALS Life Sciences Ltd  
Trading as ALS  
Carrigeen Business Park, Clonmel, Co. Tipperary  
Tel: +353 (0) 52 617 8100  
Fax: +353 (0) 52 617 8103  
www.alsglobal.ie



Report No: HYDR-117230718

Document No: EF0011

## CERTIFICATE OF ANALYSIS

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

**Date Received** 23/07/2018

**Date Reported** 31/07/2018

**Order Number** P1418

**For the Attention of:** Hydro Environmental Services

**Sample Reception** 1 sample(s) received in good condition.

**Comments** N/A

Report Authorised by:

David Kinsella  
Deputy 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. CFU indicates Colony Forming Units, MPN indicates Most Probable Number
7. SUBCON\* indicates analysis subcontracted to approved subcontractors who do not hold accreditation for this test
8. SUBCON^ indicates analysis subcontracted to approved subcontractors who hold accreditation for this test
9. Where sampling is undertaken by ALS personnel, sampling activities are outside the scope of INAB accreditation



ALS Life Sciences Ltd  
Trading as ALS  
Carrigeen Business Park, Clonmel, Co. Tipperary  
Tel: +353 (0) 52 617 8100  
Fax: +353 (0) 52 617 8103  
www.alsglobal.ie



Report No: HYDR-117230718

Document No: EF0011

### CERTIFICATE OF ANALYSIS

---

**Date Received** 23/07/2018  
**Date Reported** 31/07/2018  
**Order Number** P1418

---

**Sample Type** Water  
**Client ID** P1418 - F1  
**Date Tested** 23/07/2018  
**ALS ID** 3165796

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	8	mg / l	P202
pH	8.0	Units	P233
BOD 5 day Total	4	mg/l O2	P280
Orthophosphate	0.07	mg/l P	P281
Chloride	52.3	mg/l CL	P281
Ammonia	0.12	mg/l NH3-N	P281
Nitrate	6.8	mg/l NO3	P281
Conductivity @ 20°C	536	µs/cm	P284

---

Report Authorised by:

*David Kinsella*



ALS Life Sciences Ltd  
Trading as ALS  
Carrigeen Business Park, Clonmel, Co. Tipperary  
Tel: +353 (0) 52 617 8100  
Fax: +353 (0) 52 617 8103  
www.alsglobal.ie



Report No: HYDR-366270918

Document No: EF0011

## SUPPLEMENTARY CERTIFICATE OF ANALYSIS

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

**Date Received** 27/09/2018

**Date Reported** 10/10/2018

**Order Number** P1418-0

**For the Attention of:** Hydro Environmental Services

**Sample Reception** 1 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/cm<sup>2</sup> are calculated based on information supplied by customer regarding area swabbed
6. CFU indicates Colony Forming Units, MPN indicates Most Probable Number
7. SUBCON\* indicates analysis subcontracted to approved subcontractors who do not hold accreditation for this test
8. SUBCON^ indicates analysis subcontracted to approved subcontractors who hold accreditation for this test
9. Where sampling is undertaken by ALS personnel, sampling activities are outside the scope of INAB accreditation
10. This supplementary certificate replaces the previous certificate which must be destroyed



ALS Life Sciences Ltd  
Trading as ALS  
Carrigeen Business Park, Clonmel, Co. Tipperary  
Tel: +353 (0) 52 617 8100  
Fax: +353 (0) 52 617 8103  
www.alsglobal.ie



Report No: HYDR-366270918

Document No: EF0011

### SUPPLEMENTARY CERTIFICATE OF ANALYSIS

---

**Date Received** 27/09/2018  
**Date Reported** 10/10/2018  
**Order Number** P1418-0

---

**Sample Type** Surface Water  
**Client ID** P1418-F1  
**Date Tested** 28/09/2018  
**ALS ID** 3244616

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Suspended Solids	<5	mg / l	P202
Suspended Solids	3.2	mg / l	P202*
Phosphorus	<0.10	mg/l P	P207
BOD 5 day Total with ATU	1	mg/l O2	P280
Ammonia	0.65	mg/l NH3-N	P281
Orthophosphate	0.02	mg/l P	P281
Nitrate	<5.0	mg/l NO3	P281
Nitrite	<0.05	mg/l NO2	P281
Chloride	13.1	mg/l CL	P281
Nitrogen (Total)	11.5	mg/L N	P285

---

Report Authorised by:

*Rosemary Thomas*