

Appendix 12.5. Hydro Environmental Services (HES) Water Quality Monitoring, 2025

CERTIFICATE OF ANALYSIS



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Page 1 of 1

Hydro Environmental Services
Hydro Environmental Services
22 Lower Main Street
Dungarvan, Co. Waterford
Ireland

Certificate Number: CLN033436-1 Final
Date Reported: 08/05/2025
Date Analysis Started: 30/04/2025

Lab Ref.	Sample Details	Method Number	Test	Result	Units	Flag
CLN108416	Prod: Rcvd Dt: 30/04/2025 Start Testing: 30/04/2025 Description: P1570-0_SW1 Spt: Water Sample Type: Surface Waters Sample Date: 29/04/2025 15:00	P280	BOD 5 day Total	<1	mg/L O ₂	
		P202	Suspended Solids	<5	mg/L	
		P281	Chloride	24.5	mg/L Cl	
		P285	Total Nitrogen	4.6	mg/L N	
		P281	Total Oxidised Nitrogen (TON)	4.02	mg/L N	
		P281	Ammonia	0.03	mg/L NH ₃ -N	
		P281	Nitrate	17.7	mg/L NO ₃	
		P281	Nitrite	<0.05	mg/L NO ₂	
		P207	Total Phosphorus	<0.10	mg/L P	
		P293	Orthophosphate	0.02	mg/L P	
CLN108417	Prod: Rcvd Dt: 30/04/2025 Start Testing: 30/04/2025 Description: P1570-1_SW2 Spt: Water Sample Type: Surface Waters Sample Date: 29/04/2025 15:00	P280	BOD 5 day Total	2	mg/L O ₂	
		P202	Suspended Solids	<5	mg/L	
		P281	Chloride	24.6	mg/L Cl	
		P285	Total Nitrogen	4.6	mg/L N	
		P281	Total Oxidised Nitrogen (TON)	4.36	mg/L N	
		P281	Ammonia	0.02	mg/L NH ₃ -N	
		P281	Nitrate	19.5	mg/L NO ₃	
		P281	Nitrite	<0.05	mg/L NO ₂	
		P207	Total Phosphorus	<0.10	mg/L P	
		P293	Orthophosphate	<0.02	mg/L P	

Certificate approved and electronically signed on 08/05/25 14:14

By David Kinsella, Environmental Chemistry Manager

For and on Behalf of ALS Life Sciences Ltd

Disclaimers:

The testing results in this certificate relate only to the samples described above.
Unless otherwise stated, all results are expressed on an as received basis.
Statement of conformity made against the result does not take into account the uncertainty of measurement associated to the method.
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