

Client: Turbine Bringing Water Back to Life
Tullyinchin
Mountain Lodge
Cootehill
Co Cavan
Cootehill
Co Cavan
IRELAND

Certificate Code: AR-23-BB-011237-01
Page Number: Page 1 of 3
PO reference: SCPO-046-06 NTMK

Certificate of Analysis

Sample number	277-2023-00011334	Date received	06/07/2023
Sample Matrix	Surface water	Your sample reference	SC-046-06 K01
Sample Condition on Arrival	Satisfactory		
Sample Date	05/07/2023		

Analyte	Analysis Started	Method ⁵	SPEC ²	Result	Units	ACCRED ⁴
CBOD5 Dublin	07/07/23 ^{7A}	D1003 ^D		15	mg/l O2	
COD	10/07/23 ^{7B}	D1009 ^D		21	mg/l O2	
Nitrate as NO3 Waste	07/07/23 ^{7A}	D3000 ^D		85.90	mg/l	
Nitrate as N Waste	07/07/23 ^{7A}	D3000 ^D		19.40	mg/l	
Phosphorus (Waste)	07/07/23 ^{7B}	D3000 ^D		<2	mg/l	
Total Suspended Solids (TSS) Influent Effluent	07/07/23 ^{7B}	D1049 ^D		25	mg/l	
Oil, fat and grease (HEM)	06/07/23	*		<30	mg/l	JV

⁴ Accreditation Information

JV: SFS-EN ISO/IEC 17025:2017 FINAS T039

SIGNATURE



14/07/2023

Niamh Ward - Senior Laboratory Analyst

NOTES

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- SPEC = Allowable limit or parametric value.
- LOQ = Limit of Quantification or lowest value that can be reported.
- ACCRED = Indicates accreditation for the test, a blank field indicates not accredited.
- * indicates the test was sub-contracted, "D" indicates the analysis was performed in Dublin and "C" indicates the analysis performed in Cork.
- No date of sampling was supplied, sample stability cannot be assessed, results may be compromised.
- 7A. This result is compromised as it was tested outside of stability times.
- 7C. Sample not received in appropriate containers, therefore results may be compromised.
- 7D. This result is comprised as the sample was received by the laboratory outside of the holding time.
- This notification is based on the numerical result for the test without consideration of the uncertainty of measurement of the result, unless otherwise agreed in writing. Uncertainty of measurement has been calculated for all INAB accredited tests and is available upon request.
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Certificate Code: AR-23-BB-011237-01
Page Number: Page 2 of 3
PO reference: SCPO-046-06 NTMK

Sample number	277-2023-00011335	Date received	06/07/2023
Sample Matrix	Surface water	Your sample reference	SC-046-06 K02 Upstream
Sample Condition on Arrival	Satisfactory		
Sample Date	05/07/2023		

Analyte	Analysis Started	Method ⁵	SPEC ²	Result	Units	ACCRED ⁴
CBOD5 Dublin	07/07/23 ^{7A}	D1003 ^D		<2	mg/l O2	
COD	10/07/23 ^{7B}	D1009 ^D		<8	mg/l O2	
Nitrate as NO3 Waste	07/07/23 ^{7A}	D3000 ^D		<21.2	mg/l	
Nitrate as N Waste	07/07/23 ^{7A}	D3000 ^D		<4.8	mg/l	
Phosphorus (Waste)	07/07/23 ^{7B}	D3000 ^D		<2	mg/l	
Total Suspended Solids (TSS) Influent Effluent	07/07/23 ^{7B}	D1049 ^D		6	mg/l	



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PO reference: SCPO-046-06 NTMK

Sample number	277-2023-00011336	Date received	06/07/2023
		Your sample reference	SC-046-06 K03 Downstream
Sample Matrix	Surface water		
Sample Condition on Arrival	Satisfactory		
Sample Date	05/07/2023		

Analyte	Analysis Started	Method ⁵	SPEC ²	Result	Units	ACCRED ⁴
CBOD5 Dublin	07/07/23 ^{7A}	D1003 ^D		5	mg/l O2	
COD	10/07/23 ^{7B}	D1009 ^D		<8	mg/l O2	
Nitrate as NO3 Waste	07/07/23 ^{7A}	D3000 ^D		44.00	mg/l	
Nitrate as N Waste	07/07/23 ^{7A}	D3000 ^D		9.900	mg/l	
Phosphorus (Waste)	07/07/23 ^{7B}	D3000 ^D		<2	mg/l	
Total Suspended Solids (TSS) Influent Effluent	07/07/23 ^{7B}	D1049 ^D		20	mg/l	

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