

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

Certificate Code: AR-23-BB-010687-01
Page Number: Page 1 of 3
PO reference:

Certificate of Analysis

Sample number	277-2023-00009358	Date received	19/05/2023
Sample Matrix	Waste Water Effluent	Your sample reference	SC046-4 K01
Sample Condition on Arrival	Satisfactory	Time Sampled	07:00
Sample Date	19/05/2023	Site	Turbine

Analyte	Analysis Started	Method ⁵	SPEC ²	Result	Units	ACCRED ⁴
CBOD5 Dublin	19/05/23	D1003 ^D		13	mg/l O2	C6
COD	22/05/23	D1009 ^D		73	mg/l O2	C6
Nitrate as NO3 Waste	19/05/23	D3000 ^D		<21.2	mg/l	
Nitrate as N Clean	19/05/23	D3000 ^D		<2	mg/l	
Nitrate as N Waste	19/05/23	D3000 ^D		<4.8	mg/l	
Phosphorus (Waste)	19/05/23	D3000 ^D		<2	mg/l	
Total Suspended Solids (TSS) Influent Effluent	22/05/23	D1049 ^D		5	mg/l	
Oil, fat and grease (HEM)	19/05/23	*		<30	mg/l	JV

⁴ Accreditation Information

C6: ISO/IEC 17025:2017 INAB 138-T
 JV: SFS-EN ISO/IEC 17025:2017 FINAS T039

SIGNATURE



28/06/2023

Aoife De Barra - Organics & Instrumentation Team Lead

NOTES

- This Report shall not be reproduced, except in full, without the permission of the Laboratory. Results only relate to the items tested as received. Uncertainty of measurement for test methods is available on request.
- 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.
- This result is compromised as it was tested outside of stability times.
- Sample not received in appropriate containers, therefore results may be compromised.
- 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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Sample number	277-2023-00009359	Date received	19/05/2023
Sample Matrix	Waste Water Effluent	Your sample reference	SC046-4 KO2
Sample Condition on Arrival	Satisfactory	Time Sampled	07:00
Sample Date	19/05/2023	Site	Turbine

Analyte	Analysis Started	Method ⁵	SPEC ²	Result	Units	ACCRED ⁴
CBOD5 Dublin	19/05/23	D1003 ^D		2	mg/l O2	C6
COD	22/05/23	D1009 ^D		<8	mg/l O2	
Nitrate as NO3 Waste	19/05/23	D3000 ^D		<21.2	mg/l	C6
Nitrate as N Waste	19/05/23	D3000 ^D		<4.8	mg/l	C6
Phosphorus (Waste)	01/06/23	D3000 ^D		<2	mg/l	
Total Suspended Solids (TSS) Influent Effluent	19/05/23	D1049 ^D		<5	mg/l	

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Sample number	277-2023-00009360	Date received	19/05/2023
Sample Matrix	Waste Water Effluent	Your sample reference	SC046-4 KO3
Sample Condition on Arrival	Satisfactory	Time Sampled	07:00
Sample Date	19/05/2023	Site	Turbine

Analyte	Analysis Started	Method ⁵	SPEC ²	Result	Units	ACCRED ⁴
CBOD5 Dublin	19/05/23	D1003 ^D		3	mg/l O2	C6
COD	22/05/23	D1009 ^D		26	mg/l O2	C6
Nitrate as NO3 Waste	19/05/23	D3000 ^D		<21.2	mg/l	C6
Nitrate as N Waste	19/05/23	D3000 ^D		<4.8	mg/l	C6
Phosphorus (Waste)	01/06/23	D3000 ^D		<2	mg/l	
Total Suspended Solids (TSS) Influent Effluent	19/05/23	D1049 ^D		<5	mg/l	

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