

CERTIFICATE OF ANALYSIS

Certificate Number	B1740011-1 [R00]	Page	1/2
Client	Cool Off	Registering Laboratory	Brisbane
Contact		Contact	Customer Service Team
Address	271 Jude Road Howlong NSW 2643	Address	52 Brandl Street, Eight Mile Plains, QLD 4113
Telephone	02 6026 5466	Email	admin@symbiolabs.com.au
Order Number	---	Telephone	1300 703 166
Job Description	Waste Water Sample -July Sample #1	Date Samples Received	29/01/2025 13:53
Client Job Reference	---	Date Analysis Commenced	29/01/2025 13:53
No. of Samples Registered	1 Sampler: Customer	Issue Date	06/02/2025
Priority	Normal	Receipt Temperature (°C)	5
		Storage Temperature (°C)	4



Accreditation No: 2455
Accredited for compliance with ISO/IEC 17025 -

This report supersedes any previous revision with this reference. This document must not be reproduced, except in full. If samples were provided by the customer, results apply only to the samples 'as received' and responsibility for representative sampling rests with the customer. Results are reported on as 'as is' basis unless otherwise indicated in the 'Report Comments' section. Measurement Uncertainty is available upon request. If the laboratory was authorised to conduct testing on samples received outside of the specified conditions, all test results may be impacted. Details of samples received outside of the specified conditions are mentioned in the sample description section of this test report.

Definitions

| <: Less Than | >: Greater Than | RP: Result Pending | ~: Estimated | MPN: Most Probable Number | CFU: Colony Forming Units | ---: Not Received/Not Requested | | ^ Subcontracted Analysis | NA: Not Applicable | ND: Not Detected | [NT]: Not Tested | LOR: Limit of Reporting | TBA: To Be Advised | | * Test not covered by NATA scope of accreditation | # Result derived from a calculation and includes results equal to or greater than the LOR | IH: Inconsistent results possibly caused by sample homogeneity |

Authorised By

Name	Position	Accreditation Category
Hongmei Kuang	Environmental Laboratory Manager, Brisbane	Environmental Chemistry

Sample Information - Client/Sampler Supplied

Sample ID	Sample Description	Remarks
B1740011/1	Waste Water Sample -July Sample #1	

Analytical Results

Compound/Analyte	Method	LOR	Units	Results
Boron (Total)	Total metals in water by ICPMS	0.005	mg/L	0.026
Total Kjeldahl Nitrogen	EFF001 - Total Kjeldahl Nitrogen in Water/Effluent (APHA 4500-Norg B.)	1	mg/L	420
Nitrate (as N)	EFF004.1 - Nitrogen in Water/Effluent FIA (APHA 4500-NO3 F)	0.005	mg/L	<0.005
Nitrite (as N)	EFF005.1 - Nitrite N in Water by FIA (APHA 4500-NO2 B)	0.005	mg/L	0.016
pH	EFF006 - pH in Water/Effluent (APHA 4500-H+ B)	-	pH Unit	6.79
Electrical Conductivity	EFF007 - Electrical Conductivity in Water (APHA 2510 B)	5	µS/cm	3090
Solids (Suspended)	EFF009 - Suspended Solids in Water (APHA 2540 D)	1	mg/L	920
Dissolved Solids	EFF010 - Dissolved Solids in Water (APHA 2540 C)	1	mg/L	810
Chloride	ENV002 - Anions by IC	0.05	mg/L	152
Sulphate	ENV002 - Anions by IC	0.01	mg/L	3.0
Fluoride	EFF015 - Fluoride in Water (APHA 4500-F C)	0.05	mg/L	0.11
Oil & Grease	EFF021 - Oil & Grease (Gravimetric) in Water (APHA 5520 B)	2	mg/L	115
Ammonia	EFF044 - Ammonia N in Water by FIA (APHA 4500-NH3 G)	0.005	mg/L	420
BOD (5day)	EFF023 - BOD in Water (APHA 5210 B)	2	mg/L	2400
Total Phosphorus	EFF029.1 - Total N / P in Water by FIA (APHA 4500-P I)	0.01	mg/L	67
Turbidity	EFF061 - Turbidity in Water (APHA 2130 B)	0.1	NTU	1200
Nitrogen (Total) #	Nitrogen (Total) in Water/Effluent	1	mg/L	420
Salinity (Total Soluble Salt)#	EFF041 - Salinity As Total Soluble Salt in Water (1:5) (APHA 2520B/1030E)	2	mg/L	2000

Analytical Results

Compound/Analyte	Method	LOR	Units	Results
Magnesium (Dissolved)	Dissolved metals in Water by ICPOES	0.05	mg/L	6.7
Calcium (Dissolved)	Dissolved metals in Water by ICPOES	0.1	mg/L	0.99
Alkalinity Total (CaCO ₃)	EFF031 - Alkalinity as CaCO ₃ in water (APHA 2320 B)	1	mg/L	994
Alkalinity Bicarb (CaCO ₃)	EFF031 - Alkalinity as CaCO ₃ in water (APHA 2320 B)	1	mg/L	994
Alkalinity Carbonate (CaCO ₃)	EFF031 - Alkalinity as CaCO ₃ in water (APHA 2320 B)	1	mg/L	<1
Alkalinity Hydroxide(CaCO ₃)	EFF031 - Alkalinity as CaCO ₃ in water (APHA 2320 B)	1	mg/L	<1
Residual Alkalinity	EFF031 - Alkalinity as CaCO ₃ in water (APHA 2320 B)	1	meq/L	9
Potassium (Total)	Acid Extractable (Total) Elements by ICP-AES	0.2	mg/L	110
Calcium (Total)	Acid Extractable (Total) Elements by ICP-AES	0.1	mg/L	22
Magnesium (Total)	Acid Extractable (Total) Elements by ICP-AES	0.05	mg/L	8.8
Sodium (Total)	Acid Extractable (Total) Elements by ICP-AES	1	mg/L	110

Analysis Location

All in-house analysis was completed by Symbio Laboratories - Brisbane.

Report Comments

Laboratory results for pH, chlorine or dissolved oxygen are for information purpose only - testing conducted outside recommended storage time of 0.25hr from sampling.