

CERTIFICATE OF ANALYSIS

Certificate Number	B1349054 [R00]	Page	1/2	ABN: 82 079 645 015
Client	Cool Off	Registering Laboratory	Brisbane	
Contact	Carmel Trimble	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	Water	Date Samples Received	11/07/2023	
Client Job Reference	---	Date Analysis Commenced	11/07/2023	
No. of Samples Registered	1 Sampler: Customer	Issue Date	18/07/2023	
Priority	Normal	Receipt Temperature (°C)	17	
		Storage Temperature (°C)	4	



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

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 | [NT]: Not Tested | LOR: Limit of Reporting | TBA: To Be Advised | ND: Not Detected | * 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
Glen Rangott	Environmental Laboratory Manager, Brisbane	Environmental Chemistry

Sample Information - Client/Sampler Supplied

Sample ID	Sample Description	Remarks
B1349054/1	Sample Date:2023-07-03; Waste Water Sample #7749	

Analytical Results

Compound/Analyte	Method	LOR	Units	B1349054/1
Boron (Total)	EWM02 - Total Elements in Water by ICPMS	0.005	mg/L	0.015
Total Kjeldahl Nitrogen	EFF001 - Nitrogen (Total Kjeldahl) in Water/Effluent	1	mg/L	9.5
Nitrate (as N)	EFF004.1 - Nitrate-Nitrogen in Water/Effluent FIA	0.005	mg/L	0.012
Nitrite (as N)	EFF005.1 - Nitrite N in Water by FIA	0.005	mg/L	<0.005
pH	EFF006 - pH in Water/Effluent	---	pH Unit	6.56
Electrical Conductivity	EFF007 - Electrical Conductivity in Water	5	µS/cm	490
Solids (Suspended)	EFF009 - Suspended Solids in Water	1	mg/L	650
Dissolved Solids	EFF010 - Dissolved Solids in Water	1	mg/L	270
Chloride	ENV002 - Anions by IC	0.05	mg/L	34.7
Sulphate	ENV002 - Anions by IC	0.01	mg/L	6.6
Fluoride	EFF015 - Fluoride in Water	0.05	mg/L	0.10
Oil & Grease	EFF021 - Oil & Grease (Gravimetric) in Water	2	mg/L	176
Ammonia	EFF044 - Ammonia N in Water by FIA	0.005	mg/L	4.1
BOD (5day)	EFF023 - BOD in Water	2	mg/L	470
Total Phosphorus	EFF029.1 - Total N & P in Water by FIA	0.01	mg/L	7.4
Turbidity	EFF061 - Turbidity in Water	0.1	NTU	210
Nitrogen (Total) #	EFF085 - Nitrogen (Total) in Water/Effluent	1	mg/L	9.5

Analytical Results

Compound/Analyte	Method	LOR	Units	B1349054/1
Salinity (Total Soluble Salt)#	EFF041 - Salinity Calculation	2	mg/L	310
Magnesium (Dissolved)	EWI01 - Dissolved Elements in Water by ICPOES	0.05	mg/L	3.2
Calcium (Dissolved)	EWI01 - Dissolved Elements in Water by ICPOES	0.1	mg/L	1.6
Alkalinity Total (CaCO ₃)	EFF031 - Alkalinity as CaCO ₃ in water	1	mg/L	95
Alkalinity Bicarb (CaCO ₃)	EFF031 - Alkalinity as CaCO ₃ in water	1	mg/L	95
Alkalinity Carbonate (CaCO ₃)	EFF031 - Alkalinity as CaCO ₃ in water	1	mg/L	<1
Alkalinity Hydroxide(CaCO ₃)	EFF031 - Alkalinity as CaCO ₃ in water	1	mg/L	<1
Residual Alkalinity	EFF031 - Alkalinity as CaCO ₃ in water	1	meq/L	<1
Potassium (Total)	EWI02 - Total Elements in Water by ICPOES	0.2	mg/L	17
Calcium (Total)	EWI02 - Total Elements in Water by ICPOES	0.1	mg/L	14
Magnesium (Total)	EWI02 - Total Elements in Water by ICPOES	0.05	mg/L	5.3
Sodium (Total)	EWI02 - Total Elements in Water by ICPOES	1	mg/L	37

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.