

CERTIFICATE OF ANALYSIS

Certificate Number	B1425331 [R00]	Page	1/2
Client	Cool Off	Registering Laboratory	Brisbane
Contact	Derrick Addison	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	22/11/2023 15:00
Client Job Reference	---	Date Analysis Commenced	22/11/2023
No. of Samples Registered	1 Sampler: Customer	Issue Date	29/11/2023
Priority	Normal	Receipt Temperature (°C)	17
		Storage Temperature (°C)	4

ABN: 82 079 645 015



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
B1425331/1	Sample Date:2023-11-07; Waste Water Sample #7982	

Analytical Results

Compound/Analyte	Method	LOR	Units	B1425331/1
Boron (Total)	EWM02 - Total Elements in Water by ICPMS	0.005	mg/L	0.077
Total Kjeldahl Nitrogen	EFF001 - Nitrogen (Total Kjeldahl) in Water/Effluent	1	mg/L	160
Nitrate (as N)	EFF004.1 - Nitrate-Nitrogen in Water/Effluent FIA	0.005	mg/L	<0.005
Nitrite (as N)	EFF005.1 - Nitrite N in Water by FIA	0.005	mg/L	0.012
pH	EFF006 - pH in Water/Effluent	---	pH Unit	5.72
Electrical Conductivity	EFF007 - Electrical Conductivity in Water	5	µS/cm	1390
Solids (Suspended)	EFF009 - Suspended Solids in Water	1	mg/L	2300
Dissolved Solids	EFF010 - Dissolved Solids in Water	1	mg/L	140
Chloride	ENV002 - Anions by IC	0.05	mg/L	36.3
Sulphate	ENV002 - Anions by IC	0.01	mg/L	1.1
Fluoride	EFF015 - Fluoride in Water	0.05	mg/L	<0.05
Oil & Grease	EFF021 - Oil & Grease (Gravimetric) in Water	2	mg/L	314
Ammonia	EFF044 - Ammonia N in Water by FIA	0.005	mg/L	150
BOD (5day)	EFF023 - BOD in Water	2	mg/L	3400
Total Phosphorus	EFF029.1 - Total N & P in Water by FIA	0.01	mg/L	30
Turbidity	EFF061 - Turbidity in Water	0.1	NTU	1900
Nitrogen (Total) #	EFF085 - Nitrogen (Total) in Water/Effluent	1	mg/L	160

Analytical Results

Compound/Analyte	Method	LOR	Units	B1425331/1
Salinity (Total Soluble Salt)#	EFF041 - Salinity Calculation	2	mg/L	890
Magnesium (Dissolved)	EWI01 - Dissolved Elements in Water by ICPOES	0.05	mg/L	2.9
Calcium (Dissolved)	EWI01 - Dissolved Elements in Water by ICPOES	0.1	mg/L	17
Alkalinity Total (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	409
Alkalinity Bicarb (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	409
Alkalinity Carbonate (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	<1
Alkalinity Hydroxide(CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	<1
Residual Alkalinity	EFF031 - Alkalinity as CaCO3 in water	1	meq/L	3
Potassium (Total)	EWI02 - Total Elements in Water by ICPOES	0.2	mg/L	44
Calcium (Total)	EWI02 - Total Elements in Water by ICPOES	0.1	mg/L	27
Magnesium (Total)	EWI02 - Total Elements in Water by ICPOES	0.05	mg/L	4.4
Sodium (Total)	EWI02 - Total Elements in Water by ICPOES	1	mg/L	42

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.