

CERTIFICATE OF ANALYSIS

ABN: 82 079 645 015

Certificate Number	B922221 [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	02/07/2020
Client Job Reference	---	Date Analysis Commenced	02/07/2020
No. of Samples Registered	1 Sampler: Customer	Issue Date	09/07/2020
Priority	Normal	Receipt Temperature (°C)	6.1
		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 or via www.symbiolabs.com.au/login. 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	Sample Matrix
B922221/1	Water sample #5026	Water - General

Analytical Results

Compound/Analyte	Method	LOR	Units	B922221/1
Total Kjeldahl Nitrogen	EFF001 - Nitrogen (Total Kjeldahl) in Water/Effluent	1	mg/L	310
Nitrate (as N)	EFF004.1 - Nitrate-Nitrogen in Water/Effluent FIA	0.005	mg/L	<0.25
Nitrite (as N)	EFF005.1 - Nitrite N in Water by FIA	0.005	mg/L	0.32
pH	EFF006 - pH in Water/Effluent	---	pH Unit	6.03
Electrical Conductivity	EFF007 - Electrical Conductivity in Water	5	µS/cm	1160
Solids (Suspended)	EFF009 - Suspended Solids in Water	1	mg/L	1600
Solids (Dissolved)	EFF010 - Dissolved Solids in Water	1	mg/L	1300
Chloride	EFF011 - Chloride in Water	2	mg/L	100
Fluoride	EFF015 - Fluoride in Water	0.05	mg/L	0.19
Sulphate	EFF016 - Sulphate in Water	5	mg/L	86
Oil & Grease	EFF021 - Oil & Grease (Gravimetric) in Water	2	mg/L	305
BOD (5day)	EFF023 - BOD in Water	2	mg/L	3100
Total Phosphorus	EFF029.1 - Total N & P in Water by FIA	0.01	mg/L	41
Nitrogen (Total) #	EFF085 - Nitrogen (Total) in Water/Effluent	1	mg/L	310
Potassium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.2	mg/L	72
Calcium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.1	mg/L	15

Analytical Results

Compound/Analyte	Method	LOR	Units	B922221/1
Magnesium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.05	mg/L	11
Sodium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	1	mg/L	89
Boron (Total)	EWM02 - Total metals in water by ICPMS	0.005	mg/L	0.027
Salinity (Total Soluble Salt)#	EFF041 - Salinity Calculation	2	mg/L	740
Magnesium (Dissolved)	EWI01 - Dissolved metals in Water by ICPOES	0.05	mg/L	9.4
Calcium (Dissolved)	EWI01 - Dissolved metals in Water by ICPOES	0.1	mg/L	10
Alkalinity Total (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	295
Alkalinity Bicarb (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	295
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	2

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.

The DO uptake in the dilution-water blank check samples has exceeded 0.2 mg/L.