Symbio LABORATORIES

CERTIFICATE OF ANALYSIS

Symbio LABORATORIES Proudly AUSTRALIAN

ABN: 82 079 645 015

Certificate Number	B910838 [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
		Email	admin@symbiolabs.com.au
Telephone	02 6026 5466	**Telephone**	1300 703 166
Order Number	---	**Date Samples Received**	29/05/2020
Job Description	Water	**Date Analysis Commenced**	29/05/2020
Client Job Reference	---	**Issue Date**	05/06/2020
No. of Samples Registered	1 | Sampler: Customer	**Receipt Temperature (°C)**	5.6
Priority	Normal	**Storage Temperature (°C)**	4

NATA

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

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
B910838/1	Water Sample# 4898	Water - General

Analytical Results

Compound/Analyte	Method	LOR	Units	B910838/1
Total Kjeldahl Nitrogen	EFF001 - Nitrogen (Total Kjeldahl) in Water/Effluent	1	mg/L	190
Nitrate (as N)	EFF004.1 - Nitrate-Nitrogen in Water/Effluent FIA	0.005	mg/L	0.69
Nitrite (as N)	EFF005.1 - Nitrite N in Water by FIA	0.005	mg/L	<0.50
pH	EFF006 - pH in Water/Effluent	---	pH Unit	11.77
Electrical Conductivity	EFF007 - Electical Conductivity in Water	5	µS/cm	3420
Solids (Suspended)	EFF009 - Suspended Solids in Water	1	mg/L	380
Solids (Dissolved)	EFF010 - Dissolved Solids in Water	1	mg/L	2800
Chloride	EFF011 - Chloride in Water	2	mg/L	570
Fluoride	EFF015 - Fluoride in Water	0.05	mg/L	0.16
Sulphate	EFF016 - Sulphate in Water	5	mg/L	440
Oil & Grease	EFF021 - Oil & Grease (Gravimetric) in Water	2	mg/L	24
BOD (5day)	EFF023 - BOD in Water	2	mg/L	1500
Total Phosphorus	EFF029.1 - Total N & P in Water by FIA	0.01	mg/L	13
Alkalinity Bicarb (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	<1
Salinity (Total Soluble Salt)#	EFF041 - Salinity Calculation	2	mg/L	2200
Nitrogen (Total) #	EFF085 - Nitrogen (Total) in Water/Effluent	1	mg/L	190

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Analytical Results

Compound/Analyte	Method	LOR	Units	B910838/1
Turbidity	EFF061 - Turbidity in Water	0.1	NTU	430
Magnesium (Dissolved)	EWI01 - Dissolved metals in Water by ICPOES	0.05	mg/L	1.3
Calcium (Dissolved)	EWI01 - Dissolved metals in Water by ICPOES	0.1	mg/L	44
Residual Alkalinity	EFF031 - Alkalinity as CaCO3 in water	1	meq/L	17
Alkalinity Bicarb (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	<1
Alkalinity Carbonate (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	972
Alkalinity Hydroxide(CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	72
Alkalinity Total (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	1040
Potassium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.2	mg/L	63
Calcium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.1	mg/L	110
Magnesium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.05	mg/L	8.0
Sodium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	1	mg/L	770
Boron (Total)	EWM02 - Total metals in water by ICPMS	0.005	mg/L	0.029

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.