Symbio LABORATORIES

CERTIFICATE OF ANALYSIS

Symbio LABORATORIES Proudly AUSTRALIAN

ABN: 82 079 645 015

Certificate Number	B860086 [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**	20/12/2019
Job Description	Water	**Date Analysis Commenced**	20/12/2019
Client Job Reference	---	**Issue Date**	31/12/2019
No. of Samples Registered	1	**Receipt Temperature (°C)**	6.7
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:Level 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
Hongmei Kuang	Chemistry Laboratory Manager, Brisbane	Environmental and Food Chemistry

Sample Information *- Client/Sampler Supplied*

Sample ID	Sample Description	Sample Matrix
B860086/1	Waste Water Sample# 4565	Water - General

Analytical Results

Compound/Analyte	Method	LOR	Units	B860086/1
Total Kjeldahl Nitrogen	EFF001 - Nitrogen (Total Kjeldahl) in Water/Effluent	1	mg/L	1700
Nitrate (as N)	EFF004.1 - Nitrate-Nitrogen in Water/Effluent FIA	0.005	mg/L	<2.5
Nitrite (as N)	EFF005.1 - Nitrite N in Water by FIA	0.005	mg/L	<2.5
pH	EFF006 - pH in Water/Effluent	---	pH Unit	6.25
Electrical Conductivity	EFF007 - Electical Conductivity in Water	5	µS/cm	4550
Solids (Suspended)	EFF009 - Suspended Solids in Water	1	mg/L	10200
Chloride	EFF011 - Chloride in Water	2	mg/L	500
Fluoride	EFF015 - Fluoride in Water	0.05	mg/L	<0.05
Sulphate	EFF016 - Sulphate in Water	5	mg/L	41
Oil & Grease	EFF021 - Oil & Grease (GRavimetric) in Water	2	mg/L	739
BOD (5day)	EFF023 - BOD in Water	2	mg/L	17500
Total Phosphorus	EFF029.1 - Total N & P in Water by FIA	0.01	mg/L	110
Bicarbonate	EFF031 - Alkalinity as CaCO3 in water	1	mg/L $CaCO_3$	1837.9
Dissolved salts (Salinity) #	EFF041 - Salinity Calculation	5	mg/L	2910
Nitrogen (Total) #	EFF085 - Nitrogen (Total) in Water/Effluent	1	mg/L	1700
Solids (Total)	EFF008 - Total Solids in Water	1	mg/L	10900

Analytical Results

Compound/Analyte	Method	LOR	Units	B860086/1
Magnesium (Dissolved)	EWI01 - Dissolved metals in Water by ICPOES	0.05	mg/L	14
Calcium (Dissolved)	EWI01 - Dissolved metals in Water by ICPOES	0.1	mg/L	20
Residual Alkalinity	EFF031 - Alkalinity as CaCO3 in water	1	meq/L	16
Alkalinity Bicarb (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	1840
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
Alkalinity Total (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	1840
Potassium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.2	mg/L	86
Calcium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.1	mg/L	22
Magnesium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.05	mg/L	15
Sodium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	1	mg/L	94
Boron (Total)	EWM02 - Total metals in water by ICPMS	0.005	mg/L	0.0059

Analysis Location

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

Report Comments

Sampling was conducted by the customer and results pertain only to the samples submitted. Responsibility for representative sampling rests with customer.
Laboratory results for pH, chlorine or dissolved oxygen are for information purpose only - testing conducted outside recommended storage time of 0.25hr from sampling.