

## CERTIFICATE OF ANALYSIS

<b>Certificate Number</b>	B901658 [R00]	<b>Page</b>	1/2	<b>ABN: 82 079 645 015</b>
<b>Client</b>	Cool Off	<b>Registering Laboratory</b>	Brisbane	
<b>Contact</b>	Derrick Addison	<b>Contact</b>	Customer Service Team	
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<b>Telephone</b>	02 6026 5466	<b>Telephone</b>	1300 703 166	
<b>Order Number</b>	---	<b>Date Samples Received</b>	01/05/2020	
<b>Job Description</b>	Water	<b>Date Analysis Commenced</b>	01/05/2020	
<b>Client Job Reference</b>	---	<b>Issue Date</b>	11/05/2020	
<b>No. of Samples Registered</b>	1	<b>Receipt Temperature (°C)</b>	8.0	
<b>Priority</b>	Normal	<b>Storage Temperature (°C)</b>	4	



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

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### 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
Hongmei Kuang	Chemistry Laboratory Manager, Brisbane	Environmental and Food Chemistry

### Sample Information - Client/Sampler Supplied

Sample ID	Sample Description	Sample Matrix
B901658/1	Water Sample# 4779	Water - General

### Analytical Results

Compound/Analyte	Method	LOR	Units	B901658/1
Total Kjeldahl Nitrogen	EFF001 - Nitrogen (Total Kjeldahl) in Water/Effluent	1	mg/L	340
Nitrate (as N)	EFF004.1 - Nitrate-Nitrogen in Water/Effluent FIA	0.005	mg/L	0.72
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	6.24
Electrical Conductivity	EFF007 - Electrical Conductivity in Water	5	µS/cm	1740
Solids (Suspended)	EFF009 - Suspended Solids in Water	1	mg/L	1000
Chloride	EFF011 - Chloride in Water	2	mg/L	150
Fluoride	EFF015 - Fluoride in Water	0.05	mg/L	0.15
Sulphate	EFF016 - Sulphate in Water	5	mg/L	15
Oil & Grease	EFF021 - Oil & Grease (GRAVIMETRIC) in Water	2	mg/L	255
BOD (5day)	EFF023 - BOD in Water	2	mg/L	2400
Total Phosphorus	EFF029.1 - Total N & P in Water by FIA	0.01	mg/L	40
Bicarbonate	EFF031 - Alkalinity as CaCO <sub>3</sub> in water	1	mg/L CaCO <sub>3</sub>	502.9
Dissolved salts (Salinity) #	EFF041 - Salinity Calculation	5	mg/L	1110
Nitrogen (Total) #	EFF085 - Nitrogen (Total) in Water/Effluent	1	mg/L	340
Solids (Total)	EFF008 - Total Solids in Water	1	mg/L	2200

## Analytical Results

Compound/Analyte	Method	LOR	Units	B901658/1
Magnesium (Dissolved)	EWI01 - Dissolved metals in Water by ICPOES	0.05	mg/L	10
Calcium (Dissolved)	EWI01 - Dissolved metals in Water by ICPOES	0.1	mg/L	4.8
Residual Alkalinity	EFF031 - Alkalinity as CaCO3 in water	1	meq/L	4
Alkalinity Bicarb (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	503
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	503
Potassium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.2	mg/L	110
Calcium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.1	mg/L	19
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	98
Boron (Total)	EWM02 - Total metals in water by ICPMS	0.005	mg/L	0.085

## 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.

The DO uptake in the dilution-water blank check samples has exceeded 0.2 mg/L.LOR of BOD can be increased due to necessary dilution.