

## CERTIFICATE OF ANALYSIS

<b>Certificate Number</b>	B891862 [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>Order Number</b>	---	<b>Telephone</b>	1300 703 166	
<b>Job Description</b>	Water	<b>Date Samples Received</b>	30/03/2020	
<b>Client Job Reference</b>	---	<b>Date Analysis Commenced</b>	30/03/2020	
<b>No. of Samples Registered</b>	1	<b>Issue Date</b>	06/04/2020	
<b>Priority</b>	Normal	<b>Receipt Temperature (°C)</b>	8.0	
		<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
B891862/1	Water Sample# 4704	Water - General

### Analytical Results

Compound/Analyte	Method	LOR	Units	B891862/1
Total Kjeldahl Nitrogen	EFF001 - Nitrogen (Total Kjeldahl) in Water/Effluent	1	mg/L	410
Nitrate (as N)	EFF004.1 - Nitrate-Nitrogen in Water/Effluent FIA	0.005	mg/L	0.34
Nitrite (as N)	EFF005.1 - Nitrite N in Water by FIA	0.005	mg/L	0.89
pH	EFF006 - pH in Water/Effluent	---	pH Unit	11.86
Electrical Conductivity	EFF007 - Electrical Conductivity in Water	5	µS/cm	4520
Solids (Suspended)	EFF009 - Suspended Solids in Water	1	mg/L	560
Chloride	EFF011 - Chloride in Water	2	mg/L	990
Fluoride	EFF015 - Fluoride in Water	0.05	mg/L	0.15
Sulphate	EFF016 - Sulphate in Water	5	mg/L	390
Oil & Grease	EFF021 - Oil & Grease (GRavimetric) in Water	2	mg/L	688
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
Bicarbonate	EFF031 - Alkalinity as CaCO <sub>3</sub> in water	1	mg/L CaCO <sub>3</sub>	154.7
Dissolved salts (Salinity) #	EFF041 - Salinity Calculation	5	mg/L	2890
Nitrogen (Total) #	EFF085 - Nitrogen (Total) in Water/Effluent	1	mg/L	410
Solids (Total)	EFF008 - Total Solids in Water	1	mg/L	6500

## Analytical Results

Compound/Analyte	Method	LOR	Units	B891862/1
Magnesium (Dissolved)	EWI01 - Dissolved metals in Water by ICPOES	0.05	mg/L	1.5
Calcium (Dissolved)	EWI01 - Dissolved metals in Water by ICPOES	0.1	mg/L	82
Residual Alkalinity	EFF031 - Alkalinity as CaCO3 in water	1	meq/L	29
Alkalinity Bicarb (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	155
Alkalinity Carbonate (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	1600
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	1750
Potassium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.2	mg/L	62
Calcium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.1	mg/L	190
Magnesium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.05	mg/L	8.6
Sodium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	1	mg/L	520
Boron (Total)	EWM02 - Total metals in water by ICPMS	0.005	mg/L	0.0062

## 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.