

CERTIFICATE OF ANALYSIS

Certificate Number	B871189 [R00]	Page	1/2	ABN: 82 079 645 015
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	31/01/2020	
Client Job Reference	---	Date Analysis Commenced	31/01/2020	
No. of Samples Registered	1	Issue Date	07/02/2020	
Priority	Normal	Receipt Temperature (°C)	9.1	
		Storage Temperature (°C)	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: 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
B871189/1	Water Sample# 4614	Water - General

Analytical Results

Compound/Analyte	Method	LOR	Units	B871189/1
Total Kjeldahl Nitrogen	EFF001 - Nitrogen (Total Kjeldahl) in Water/Effluent	1	mg/L	470
Nitrate (as N)	EFF004.1 - Nitrate-Nitrogen in Water/Effluent FIA	0.005	mg/L	0.26
Nitrite (as N)	EFF005.1 - Nitrite N in Water by FIA	0.005	mg/L	<0.25
pH	EFF006 - pH in Water/Effluent	---	pH Unit	6.41
Electrical Conductivity	EFF007 - Electrical Conductivity in Water	5	µS/cm	2600
Solids (Suspended)	EFF009 - Suspended Solids in Water	1	mg/L	2300
Chloride	EFF011 - Chloride in Water	2	mg/L	420
Fluoride	EFF015 - Fluoride in Water	0.05	mg/L	0.16
Sulphate	EFF016 - Sulphate in Water	5	mg/L	87
Oil & Grease	EFF021 - Oil & Grease (GRavimetric) in Water	2	mg/L	1240
BOD (5day)	EFF023 - BOD in Water	2	mg/L	6600
Total Phosphorus	EFF029.1 - Total N & P in Water by FIA	0.01	mg/L	56
Bicarbonate	EFF031 - Alkalinity as CaCO ₃ in water	1	mg/L CaCO ₃	786.8
Dissolved salts (Salinity) #	EFF041 - Salinity Calculation	5	mg/L	1660
Nitrogen (Total) #	EFF085 - Nitrogen (Total) in Water/Effluent	1	mg/L	470
Solids (Total)	EFF008 - Total Solids in Water	1	mg/L	4200

Analytical Results

Compound/Analyte	Method	LOR	Units	B871189/1
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	11
Residual Alkalinity	EFF031 - Alkalinity as CaCO3 in water	1	meq/L	6
Alkalinity Bicarb (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	787
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	787
Potassium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.2	mg/L	130
Calcium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.1	mg/L	77
Magnesium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.05	mg/L	13
Sodium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	1	mg/L	210
Boron (Total)	EWM02 - Total metals in water by ICPMS	0.005	mg/L	0.051

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.