

CERTIFICATE OF ANALYSIS

Certificate Number	B882012 [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
Telephone	02 6026 5466	Email	admin@symbiolabs.com.au
Order Number	---	Telephone	1300 703 166
Job Description	Water	Date Samples Received	02/03/2020
Client Job Reference	---	Date Analysis Commenced	02/03/2020
No. of Samples Registered	1	Issue Date	09/03/2020
Priority	Normal	Receipt Temperature (°C)	8.0
		Storage Temperature (°C)	4

ABN: 82 079 645 015



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
B882012/1	Water Sample# 4556	Water - General

Analytical Results

Compound/Analyte	Method	LOR	Units	B882012/1
Total Kjeldahl Nitrogen	EFF001 - Nitrogen (Total Kjeldahl) in Water/Effluent	1	mg/L	430
Nitrate (as N)	EFF004.1 - Nitrate-Nitrogen in Water/Effluent FIA	0.005	mg/L	<0.005
Nitrite (as N)	EFF005.1 - Nitrite N in Water by FIA	0.005	mg/L	0.73
pH	EFF006 - pH in Water/Effluent	---	pH Unit	11.18
Electrical Conductivity	EFF007 - Electrical Conductivity in Water	5	µS/cm	3800
Solids (Suspended)	EFF009 - Suspended Solids in Water	1	mg/L	680
Chloride	EFF011 - Chloride in Water	2	mg/L	1400
Fluoride	EFF015 - Fluoride in Water	0.05	mg/L	0.13
Sulphate	EFF016 - Sulphate in Water	5	mg/L	440
Oil & Grease	EFF021 - Oil & Grease (GRavimetric) in Water	2	mg/L	125
BOD (5day)	EFF023 - BOD in Water	2	mg/L	2500
Total Phosphorus	EFF029.1 - Total N & P in Water by FIA	0.01	mg/L	35
Bicarbonate	EFF031 - Alkalinity as CaCO ₃ in water	1	mg/L CaCO ₃	585.8
Dissolved salts (Salinity) #	EFF041 - Salinity Calculation	5	mg/L	2430
Nitrogen (Total) #	EFF085 - Nitrogen (Total) in Water/Effluent	1	mg/L	430
Solids (Total)	EFF008 - Total Solids in Water	1	mg/L	6300

Analytical Results

Compound/Analyte	Method	LOR	Units	B882012/1
Magnesium (Dissolved)	EWI01 - Dissolved metals in Water by ICPOES	0.05	mg/L	1.2
Calcium (Dissolved)	EWI01 - Dissolved metals in Water by ICPOES	0.1	mg/L	17
Residual Alkalinity	EFF031 - Alkalinity as CaCO3 in water	1	meq/L	27
Alkalinity Bicarb (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	586
Alkalinity Carbonate (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	1100
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	1690
Potassium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.2	mg/L	150
Calcium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.1	mg/L	94
Magnesium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.05	mg/L	7.3
Sodium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	1	mg/L	840
Boron (Total)	EWM02 - Total metals in water by ICPMS	0.005	mg/L	0.11

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.