

CERTIFICATE OF ANALYSIS

Certificate Number	B838025 [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	21/10/2019	
Client Job Reference	---	Date Analysis Commenced	21/10/2019	
No. of Samples Registered	1	Issue Date	28/10/2019	
Priority	Normal	Receipt Temperature (°C)	8.3	
		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 Supplied

Sample ID	Sample Description	Sample Matrix
B838025/1	Waste Water Sample# 4458	Water - General

Analytical Results

Compound/Analyte	Method	LOR	Units	B838025/1
Total Kjeldahl Nitrogen	EFF001 - Nitrogen (Total Kjeldahl) in Water/Effluent	1	mg/L	370
Nitrate (as N)	EFF004.1 - Nitrate-Nitrogen in Water/Effluent FIA	0.005	mg/L	0.15
Nitrite (as N)	EFF005.1 - Nitrite N in Water by FIA	0.005	mg/L	<0.0
pH	EFF006 - pH in Water/Effluent	---	pH Unit	5.92
Electrical Conductivity	EFF007 - Electrical Conductivity in Water	5	µS/cm	1700
Solids (Suspended)	EFF009 - Suspended Solids in Water	1	mg/L	1700
Chloride	EFF011 - Chloride in Water	2	mg/L	230
Fluoride	EFF015 - Fluoride in Water	0.05	mg/L	0.17
Sulphate	EFF016 - Sulphate in Water	5	mg/L	49
Oil & Grease	EFF021 - Oil & Grease (GRavimetric) in Water	2	mg/L	232
BOD (5day)	EFF023 - BOD in Water	2	mg/L	4300
Total Phosphorus	EFF029.1 - Total N & P in Water by FIA	0.01	mg/L	41
Bicarbonate	EFF031 - Alkalinity as CaCO ₃ in water	1	mg/L CaCO ₃	453.2
Dissolved salts (Salinity) #	EFF041 - Salinity Calculation	5	mg/L	1080
Nitrogen (Total) #	EFF085 - Nitrogen (Total) in Water/Effluent	1	mg/L	370
Solids (Total)	EFF008 - Total Solids in Water	1	mg/L	3400
Magnesium (Dissolved)	EWI01 - Dissolved metals in Water by ICPOES	0.05	mg/L	11

Analytical Results

Compound/Analyte	Method	LOR	Units	B838025/1
Calcium (Dissolved)	EWI01 - Dissolved metals in Water by ICPOES	0.1	mg/L	15
Residual Alkalinity	EFF031 - Alkalinity as CaCO3 in water	1	meq/L	3
Alkalinity Bicarb (CaCO3)	EFF031 - Alkalinity as CaCO3 in water	1	mg/L	453
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	453
Potassium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.2	mg/L	81
Calcium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.1	mg/L	39
Magnesium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	0.05	mg/L	12
Sodium (Total)	EWI02 - ICP-AES Acid Extractable (total metals) elements in water	1	mg/L	110
Boron (Total)	EWM02 - Total metals in water by ICPMS	0.005	mg/L	0.038

Analysis Location

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

Report Comments

Laboratory results for pH, chlorine or dissolved oxygen are for information purpose only - testing conducted outside recommended storage time of 0.25hr from sampling.