

CERTIFICATE OF ANALYSIS

ABN: 82 079 645 015

Certificate Number	B1972804 [R00]	Page	1/2
Client	Cool Off	Registering Laboratory	Brisbane
Contact	Caitlyn Gillon	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	02/10/2025 18:00
Client Job Reference	---	Date Analysis Commenced	03/10/2025 12:38
No. of Samples Registered	2 Sampler: Customer	Issue Date	10/10/2025
Priority	Normal	Receipt Temperature (°C)	20
		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: 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	Environmental Laboratory Manager, Brisbane	Environmental Chemistry

Sample Information - Client/Sampler Supplied

Sample ID	Sample Description	Remarks
B1972804/1	Sample Date:2025-09-30 00:00; June Sample # 1	
B1972804/2	Sample Date:2025-09-30 00:00; July Sample # 2	

Analytical Results

Compound/Analyte	Method	LOR	Units	B1972804/1	B1972804/2
Boron (Total)	Total Elements in Water by ICP-MS (APHA 3125B)	0.005	mg/L	0.072	0.066
Total Kjeldahl Nitrogen	EFF001 - Total Kjeldahl Nitrogen in Water (APHA 4500-Norg B)	1	mg/L	380	280
Nitrate (as N)	EFF004.1 - Nitrate Nitrogen in Water by FIA (APHA 4500-NO3 F)	0.005	mg/L	0.050	0.11
Nitrite (as N)	EFF005.1 - Nitrite Nitrogen in Water by FIA (APHA 4500-NO2 B)	0.005	mg/L	0.050	0.030
pH Value	EFF006 - pH in Water/Effluent (APHA 4500-H+ B)	-	pH Unit	7.42	7.59
Electrical Conductivity	EFF007 - Electrical Conductivity in Water (APHA 2510 B)	5	µS/cm	2180	1840
Solids - Total Suspended (TSS)	EFF009 - Total Suspended Solids in Water (APHA 2540 D)	1	mg/L	1300	910
Solids - Total Dissolved (TDS)	EFF010 - Total Dissolved Solids in Water (APHA 2540 C)	1	mg/L	1700	1200
Chloride	ENV002 - Anions by Ion Chromatography (APHA 4110)	0.05	mg/L	136	105
Sulphate	ENV002 - Anions by Ion Chromatography (APHA 4110)	0.01	mg/L	13	13

Analytical Results

Compound/Analyte	Method	LOR	Units	B1972804/1	B1972804/2
Fluoride	EFF015 - Fluoride in Water (APHA 4500-F C)	0.05	mg/L	0.05	0.05
Oil & Grease	EFF021 - Oil & Grease in Water (APHA 5520 B)	2	mg/L	239	160
Ammonia (as N)	EFF044 - Ammonia Nitrogen in Water by FIA (APHA 4500-NH3 G)	0.005	mg/L	120	96
BOD (5day)	EFF023 - Biochemical Oxygen Demand in Water (APHA 5210 B)	2	mg/L	1800	3200
Phosphorus - Total	EFF029.1 - Total Nitrogen and Total Phosphorus in Water by FIA (APHA 4500-P I)	0.01	mg/L	55	42
Turbidity	EFF061 - Turbidity in Water (APHA 2130 B)	0.1	NTU	860	1200
Nitrogen - Total #	EFF085 Nitrogen (Total) in Water by Calculation	1	mg/L	380	280
Salinity (Total Soluble Salt)#	EFF041 - Salinity As Total Soluble Salt in Water (1:5) (APHA 2520B/1030E)	2	mg/L	1400	1200
Magnesium (Dissolved)	Dissolved Elements in Water by ICP-OES (APHA 3120B)	0.05	mg/L	2.8	2.2
Calcium (Dissolved)	Dissolved Elements in Water by ICP-OES (APHA 3120B)	0.1	mg/L	7.7	6.2
Alkalinity - Total (as CaCO3)	EFF031 - Alkalinity (as CaCO3) in water (APHA 2320 B)	1	mg/L	347	240
Alkalinity - Bicarbonate (as CaCO3)	EFF031 - Alkalinity (as CaCO3) in water (APHA 2320 B)	1	mg/L	347	240
Alkalinity - Carbonate (as CaCO3)	EFF031 - Alkalinity (as CaCO3) in water (APHA 2320 B)	1	mg/L	<1	<1
Alkalinity - Hydroxide (as CaCO3)	EFF031 - Alkalinity (as CaCO3) in water (APHA 2320 B)	1	mg/L	<1	<1
Residual Alkalinity	EFF031 - Alkalinity (as CaCO3) in water (APHA 2320 B)	1	meq/L	3	2
Potassium (Total)	Total Elements in Water by ICP-OES (APHA 3120B)	0.2	mg/L	120	98
Calcium (Total)	Total Elements in Water by ICP-OES (APHA 3120B)	0.1	mg/L	8.5	7.5
Magnesium (Total)	Total Elements in Water by ICP-OES (APHA 3120B)	0.05	mg/L	3.1	2.7
Sodium (Total)	Total Elements in Water by ICP-OES (APHA 3120B)	1	mg/L	98	78

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.