



Mr Michael Client

Biotech Trading Consortium Limited

24 Hurworth St

Bowen Hills Qld 4006

Date sample collected: Not supplied.

Sample received: 12/01/2021 at 7:00:00 AM and held in laboratory at 1 °C - 5 °C before processing on: 12/01/2021 at 8:00:00 AM

Methods

* Signifies method modified by a single plate inoculation from each dilution. LOD = Limit of detection

Temperature on receipt: Chilled

Plate Count: AOAC Official Methods of Analysis 977.27. (using R2A agar). LOD = 2,000.

Pseudomonas aeruginosa: AS 4276.13: 2008 - Identification as per AS method or AFNOR BRD 07/21-04/12.

Staphylococcus: APHA Standard Method 9213 B 6. Standard Methods for the Examination of Water and Waste Water. 23rd Ed. 2017. APHA.

Coliforms/Faecal Coliforms &/or E. coli: Filtration method using chromogenic agar - Internal Procedure No. 5.

Enterococci: AS 4276.9 - Enterococci includes the group formally known as Faecal Streptococci. LOD: volume filtered/100

Sample Identification: STW- Main Pool

[Lab No.: 924243]

✓ Plate Count (2days @ 35 °C)	50	(MU: <2000 to 67	) CFU/mL	AL: <100
✓ Pseudomonas aeruginosa	<1		CFU/100mL	AL: <1
Staphylococcus (coag positive)	<1		CFU/100mL	
✓ Faecal Coliforms	<1		CFU/100mL	AL: <1
✓ Escherichia coli	<1		CFU/100mL	AL: <1
Enterococci	20	(MU: 12 to 34	) CFU/100mL	

Sample Identification: STW- Heated Spa Pool

[Lab No.: 924244]

X Plate Count (2days @ 35 °C)	3,700	(MU: 2,700 to 5,000	) CFU/mL	AL: <100
X Pseudomonas aeruginosa	11	(MU: 7 to 19	) CFU/100mL	AL: <1
Staphylococcus (coag positive)	5	(MU: 2.9 to 8.5	) CFU/100mL	
X Faecal Coliforms	20	(MU: 12 to 34	) CFU/100mL	AL: <1
X Escherichia coli	20	(MU: 12 to 34	) CFU/100mL	AL: <1
Enterococci	<10		CFU/100mL	

Sample Identification: STW- Wading Pool

[Lab No.: 924245]

X Plate Count (2days @ 35 °C)	42,000	(MU: 31,000 to 57,000	) CFU/mL	AL: <100
X Pseudomonas aeruginosa	>200		CFU/100mL	AL: <1
Staphylococcus (coag positive)	15	(MU: 9 to 25	) CFU/100mL	
X Faecal Coliforms	160	(MU: 94 to 270	) CFU/100mL	AL: <1
X Escherichia coli	60	(MU: 35 to 100	) CFU/100mL	AL: <1
Enterococci	120	(MU: 71 to 200	) CFU/100mL	

✓ = MU range results within Acceptable Limit X = MU range results exceeds Acceptable Limit Analysis result and MU range results equal to or above limits are in red.

MU = Measurement Uncertainty Range/Coverage factor=2. > greater than < less than CFU Colony Forming Units AL=Acceptable Limit ND=Not Detected
Where microbial count results, excluding MPN and filtration methods, are less than 15 times the minimum level of detection, the result is an estimate.

Guidelines for Result Interpretation - Sample Category: Water - Swimming Pools/Spa Pools.

Reference for Acceptable Limits: "Queensland Health Swimming and Spa Pool Water Quality and Operational Guidelines" and "New South Wales Health Public Swimming Pool and Spa Pool Guidelines".

If this sample is not correctly classified as a Swimming pool or spa pool water the acceptable limits quoted do not apply.

Results may be compromised where maximum storage time is over 12 hr for general bacteria (including Pseudomonas aeruginosa and Plate Count), over 18 hr for Faecal indicators (Coliforms, Faecal Coliforms, E.coli, Enterococci and Clostridium) and Salmonella and over 48 hr (Legionella) at 5±3 °C. Ref: AS 2031-2012.

Note: Sample collection and identification was provided by the client. Results reported pertain only to the samples submitted and 'as received' at the time of testing only



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