

Certificate of Analysis: Final

Cawthron Contract Number: 60026

Project Number: C05617

Timaru District Council
PO Box 522
TIMARU

Attention: John Clemens

Customer Order No: 38346
Email Recipients: John Clemens

Sample Details

Laboratory ID: C05617-1 **Sample Type:** Water **Date Sampled:** 22/12/2021 17:00
Description: Opihi Gallery **Date Received:** 23/12/2021 10:30
Customer ID: Opihi

Species	Description	Unit Count (Units/mL)	Cell Count (Cells/mL)	Mean Cell Vol. (µm³)*	Biovolume (mm³/L)*
Total Cyanobacteria cell count			1		0.0000005
Total unit count		2			
Picocyanobacteria (< 1 µm)	Potentially Toxic Cyanobacteria		1	0.52	0.0000005
Planktolyngbya sp.	Cyanobacteria (not known to be toxic)	2			

Method: In-house, based on Hotzel and Croome 1999

Biovolume Method: In-house, based on NZ Guidelines for Cyanobacteria in Recreational Fresh Waters - Interim Guidelines (Table A4.1) 2009

Results apply to samples as received unless otherwise specified.

Taxa identifications and enumeration are reported to the best possible certainty within the limitations of bright field microscopy and on-going taxonomic reviews. These limitations are most apparent in organisms with a cell diameter less than 2.5µm.

Our routine detection limits for chemical testing relate to samples with a clean matrix. Reported detection limits may be higher for individual samples if there is insufficient sample or the matrix is complex.

< means less than, > means greater than

Date Generated: 24/12/21

Authorised by: Sumali Nanayakkara

Position: Senior Technician, Natural Toxins Laboratory

Signature: 



Test results indicated as not accredited are outside the scope of the laboratory's accreditation

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Report Number: 919540
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* Indicates an analysis that is not IANZ accredited