

**Certificate of Analysis: Final**

Cawthron Contract Number: 60026

**Project Number: C06277**
**Timaru District Council**  
**PO Box 522**  
**TIMARU**
**Attention:** John Clemens

**Email Recipients:** John Clemens, Grant Hall

**Sample Details**

<b>Laboratory ID:</b>	C06277-1	<b>Sample Type:</b>	Water	<b>Date Sampled:</b>	21/12/2021 16:00
<b>Description:</b>	Opihi Gallery	<b>Date Received:</b>	22/12/2021 07:30		
<b>Customer ID:</b>	Opihi Source				
<b>Sample Comment:</b>	Only cyanobacteria were detected in this sample.				

Species	Description	Cell Count (Cells/mL)	Mean Cell Vol. ( $\mu\text{m}^3$ )*	Biovolume ( $\text{mm}^3/\text{L}$ )*
Total cell count		773000		1
Picocyanobacteria (< 1 $\mu\text{m}$ )	Potentially Toxic Cyanobacteria	33000	0.52	0.02
Planktolyngbya sp.	Cyanobacteria (not known to be toxic)	740000	1.86	1

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 2.5 $\mu\text{m}$ .*

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.

&lt; means less than, &gt; means greater than

**Date Generated:** 13/1/22

**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:** 921066

**Project Number:** C06277


\* Indicates an analysis that is not IANZ accredited