

# Water Quality Results Certificate



**Client Name:** Fairhaven Garden Trust  
**Water Body Name:** Fairhaven Garden Trust

**Certificate Reference:** ALG-FGT-020725  
**Analysis Start Date:** 03/07/2025  
**Report Date:** 03/07/2025

## Analysis Results – Algae

### Sample 1 - quay heading access point

Algae species	Algae type	No of colonies or filaments/ml	No of cells/ml
<b><i>Fairhaven Garden Trust</i></b> (Phylum: Cyanobacteria, Order: Chroococcales)	<b>Blue-green colonies</b> (100 cells)	300	30,000
<b><i>Microcystis cf viridis</i></b> (Phylum: Cyanobacteria, Order: Chroococcales)	<b>Blue-green colonies</b> (10 cells)	4,700	47,000
<b><i>Aphanocapsa sp.</i></b> (Phylum: Cyanobacteria, Order: Chroococcales)	<b>Blue-green colonies</b> (50 cells)	2,300	115,000
<b><i>Snowella lacustris</i></b> (Phylum: Cyanobacteria, Order: Chroococcales)	<b>Blue-green colonies</b> (10 cells)	400	4,000
<b><i>Dolichospermum sp.</i></b> (Phylum: Cyanobacteria, Order: Nostocales)	<b>Blue-green gyres</b> (20 cells)	6,150	123,000
<b><i>Dolichospermum planctonicum</i></b> (Phylum: Cyanobacteria, Order: Nostocales)	<b>Blue-green gyres</b> (25 cells)	1,200	30,000
<b><i>Aphanizomenon flos-aquae</i></b> (Phylum: Cyanobacteria, Order: Nostocales)	<b>Blue-green filaments</b> (50 cells)	300	15,000
		<b>Total cells/ml</b>	<b>364,000</b>
		<b>WHO Rating</b>	<b>High</b>

### Comments

The sample was examined for the presence of Cyanobacteria at upto x400 magnification.  
200ml of the sample was then filtered to concentrate the algae cells and this was examined at upto x400 magnification.

**7 species of cyanobacteria were found in the sample, at High levels.**

Dolichospermum species are known to produce neuro & hepatotoxins and Aphanocapsa species are known to produce hepatotoxins in some blooms. The toxins produced by these cyanobacteria species may be harmful to humans, dogs and livestock. It is unknown whether toxins are being, or will be, produced in this instance.

The World Health Organisation (WHO Rating) above indicates levels of algae present in the sample(s), against WHO guidance values.

Please visit [www.swim-safety.co.uk/results-guidance/](http://www.swim-safety.co.uk/results-guidance/) for more info on results thresholds.