

Water Quality Results Certificate



Client Name: PTP Coaching

Water Body Name: Beckenham Place Park Lake

Certificate Reference: ALG-PTP-010824

Analysis Start Date: 02/08/2024

Report Date: 02/08/2024

Analysis Results – Algae

Sample 1

Algae species	Algae type	No of colonies or filaments/ml	No of cells/ml
<i>Aphanocapsa sp.</i> (Phylum: Cyanobacteria, Order: Chroococcales)	Blue-green colonies (100 cells)	253	25,300
<i>Microcystis flos-aquae</i> (Phylum: Cyanobacteria, Order: Chroococcales)	Blue-green colonies (100 cells)	3	300
<i>Aphanizomenon flos-aquae</i> (Phylum: Cyanobacteria, Order: Nostocales)	Blue-green colonies (50 cells)	803	40,150
		Total cells/ml	65,750
		WHO Rating	Moderate (Warning Threshold)

Comments

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

3 species of cyanobacteria were found in the sample, 2 species at moderate bloom levels.

Aphanocapsa species are known to produce hepatotoxins & Aphanizomenon species are known to produce neuro & 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/ for more info on results thresholds.