

Water Quality Results Certificate



Client Name: Ardingly Activity Centre

Water Body Name: Ardingly Reservoir

Certificate Reference: ALG-AAC-290524

Analysis Start Date: 30/05/2024

Report Date: 30/05/2024

Analysis Results – Algae

Sample 1

Algae species	Algae type	No of colonies or filaments/ml	No of cells/ml
<i>Woronichinia naegeliana</i> (Phylum: Cyanobacteria, Order: Chroococcales)	Blue-green colonies (200 cells)	122	24,400
<i>Gomphosphaeria aponina</i> (Phylum: Cyanobacteria, Order: Chroococcales)	Blue-green filaments (100 cells)	<1	-
<i>Aphanizomenon sp.</i> (Phylum: Cyanobacteria, Order: Nostocales)	Blue-green colonies (60 cells)	18	1,080
		Total cells/ml	25,480
		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, one species at moderate levels, the others at low levels.

Woronichinia species are known to produce hepatotoxins in some blooms. The toxins produced by this 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.