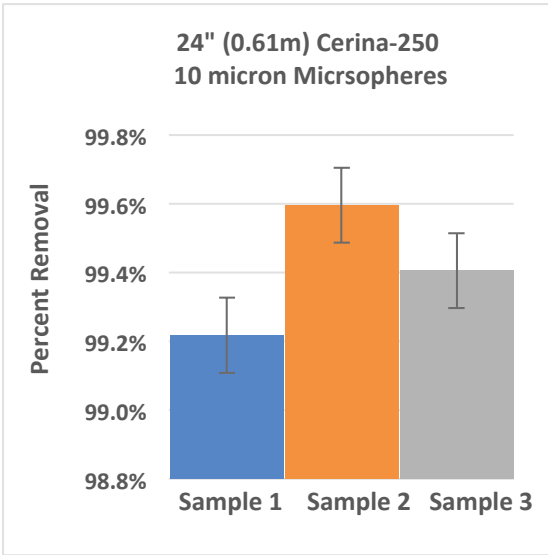




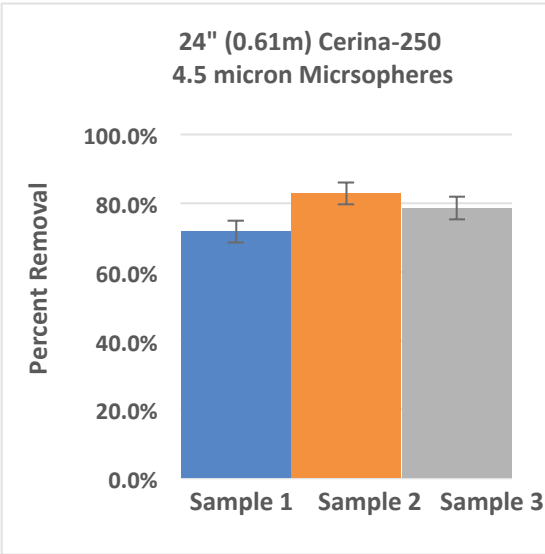
## Performance Testing

### Test Conditions

Test column: 2" diameter  
 Filtration Rate: 9.4 gpm/ft2 (22.5 M<sup>3</sup>)  
 pH: 7.6  
 Alkalinity (mg/l as CaCO<sub>3</sub>) : 100  
 Hardness (mg/l as CaCO<sub>3</sub>) : 74  
 Free Chlorine (mg/l): 2.0  
 Total Dissolved Solids (mg/l): 425  
 Total Organic Carbon (mg/L): 4.2  
 Coagulation: none



10 micron microsphere log removal values for 24" of media > 99.4%



3 - 5 micron microsphere log removal  
 Avg removal 24" media 78%

Luminescent microspheres are dosed at the 140 - 160 spheres per ml into new filter media.  
 Three samples are taken at 3, 5 & 7 minutes and the feed water and effluent samples are counted.

## PRODUCT SPECIFICATIONS

Parameter	Cerina-250
Effective Size	0.20 mm — 0.30 mm (50-70 Mesh)
Uniformity Coefficient	< 1.4 (1.25 Typical)
Density	83 lbs/ft <sup>3</sup> (1.3 g/cm <sup>3</sup> )
Recommended Backwash Rate	8.0 gpm/ft <sup>2</sup> (18 m/h)
Acid Solubility	<1% (0.1% typical)
Hardness Moh's	7.0

Performance testing by Dr. James Amburgey, Associate Professor, UNC Charlotte.

Media performances listed are typical. Results will vary depending on water quality and filter flow rates.

### CONTACT US

sales@wateropolis.com • 440-596-0325 • www.wateropolis.com

