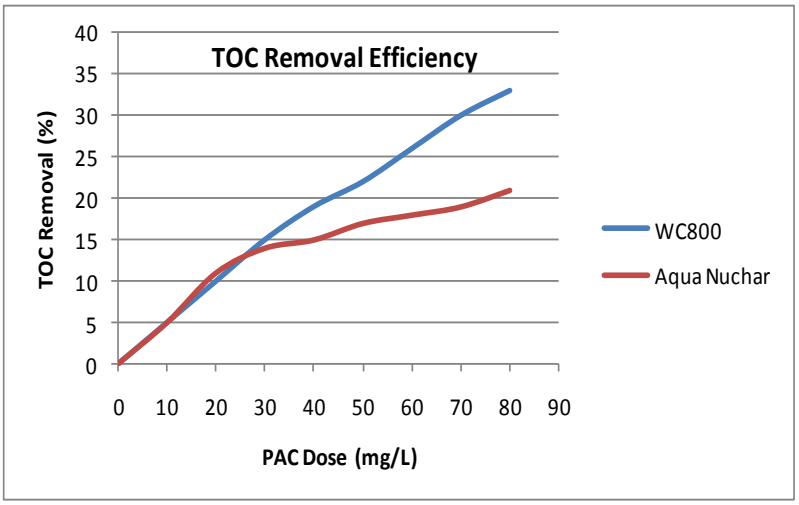
STANDARD PURIFICATION

WATERCARB 800
High Performance
Powdered Activated Carbon

Total Organic Carbon (TOC) Removal with Watercarb 800

Of great importance to water utilities today is the simultaneous removal of TOC along with other desired target compounds like MIB and Geosmin (taste & odor) during water treatment. TOC serves as a precursor to many disinfection by-products (DBP) produced in potable water treatment. Removal of DBP precursors prior to chemical disinfection can be enhanced by adsorption onto activated carbon.

The application of powdered activated carbon at the raw water intake, rapid mix and flocculation stages represents a flexible, low cost, DBP precursor removal strategy. Watercarb 800 is a cost effective option for municipal water treatment plants treating surface water affected by TOC and seasonal taste and odor issues.



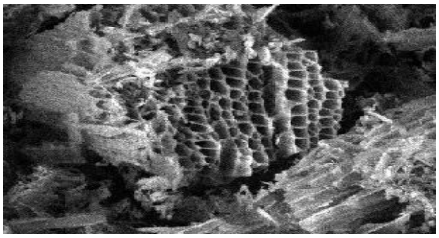


*Chart represents the averaged graphical results of the two PACs for TOC removal. Actual testing performed by EPS labs for Standard Purification. PAC doses of 25, 50, 75 and 100 mg/L with a contact time of 30 mins (3 mins rapid mix and 27 flocculation) were used for this study. Actual raw water from Farmville, VA under typical summer conditions .

Under laboratory conditions Watercarb 800 was compared with another leading performance carbon for TOC removal efficiency. The dose removal curves above represent PAC dosed in the rapid mix then settled in flocculation.

Watercarb 800 is a premium quality powdered activated carbon produced from select raw materials by high temperature steam activation under controlled conditions. Laboratory and real time field testing of WC800 indicates exceptional performance when compared against leading competitive brands.

Specification:

Iodine Number	800 mg/g
Moisture	8 % max
Bulk Density	0.4 - 0.5 g/cc
Passing 325 Mesh	90 % min

WC800 meets ANSI/AWWA B600-05 and is certified to NSF/ANSI Standard 61.

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