

# MWV NUCHAR ACTIVATED CARBONS



# Nuchar Powdered Activated Carbons

MWW Nuchar Powdered Activated Carbons are highly effective for adsorbing taste, odor, color, TOC and other organic impurities from drinking water



## Proven MIB and Geosmin Removal

Many of our long-time customers add Nuchar powdered activated carbon to their water treatment process to remove MIB and Geosmin for better tasting water. Seasonal addition of Nuchar carbon is common, while other water treatment plants add Nuchar at a maintenance dosage level year-round. The higher activity of wood-based Nuchar helps reduce the amount used versus competitive carbons.

## Adsorption of Organics

Adsorption of TOC and a variety of dissolved organics is possible due to the very large surface area and extensive pore volume of Nuchar powdered carbons. Nuchar is typically added near the raw water intake to provide contact time for adsorption, prior to coagulation and disinfection. Adsorption of organics by powdered carbon can minimize the addition of other chemicals to achieve water treatment objectives and help reduce levels of disinfection by-products.

## Made from Wood – A Renewable Resource

MWW domestically manufactures wood-based activated carbon. Two large MWW activated carbon manufacturing facilities are located in Covington, VA and Wickliffe, KY. The carbon products meet the following requirements:

- ANSI/AWWA B600-05
- NSF/ANSI Standard 61
- Food Chemicals Codex

MWW Nuchar Powdered Activated Carbons have been used for many years in the U.S. drinking water industry. With more than 90 years of activated carbon experience and technical expertise, MWW Specialty Chemicals is recognized as a reliable manufacturer of high quality activated carbons.

# Realize the Benefits of Nuchar Carbon

## High Surface Area & Porosity

Nuchar wood-based carbons have very large surface areas and extensive pore structures, with a broad pore size distribution. These properties enable the adsorption of a variety of dissolved organics. Also, the low density of wood-based carbons increases carbon suspendability for longer contact time.

## Carbon Performance Testing

We provide technical assistance at plant locations for carbon trials and we conduct bench-scale jar tests in our laboratory with raw waters from across the United States. Performance-based testing is the best way to evaluate powdered carbon adsorption and cost effectiveness in a water treatment process.

## Proven Performance in Membrane Systems

Nuchar powdered activated carbon has proven low abrasion in plant-scale membrane operation. With a low Gold Number of 0.09-0.10, Nuchar carbons cause little or no membrane attrition and enable longer membrane life, as compared to more abrasive competitive carbons. The combination of Nuchar's high adsorption capability and low abrasion reduce the loading and potential damage to the membranes.

## Made in the USA

Consistent quality and reliable delivery are cornerstones of our business. MWV activated carbon manufacturing facilities are located in Covington, VA and Wickliffe, KY.



Covington, VA



Wickliffe, KY



**MWV Nuchar Activated Carbon**  
5255 Virginia Avenue  
North Charleston, SC 29406  
Phone: 800-284-1724  
carbon@mwv.com  
www.mwvnucharcarbon.com