

PRODUCT DATA BULLETIN

Description and Typical Applications

Nuchar HD is a powdered activated carbon with unusually high sorptive capacity for high molecular weight color bodies. Thus, Nuchar HD is designed for those applications requiring a minimum amount of carbon to remove a maximum amount of impurities. Specific cost effective areas are in pharmaceutical and fine chemical purification, purification of food products such as corn syrups, citric acid and monosodium glutamate as well as beverages, for example, wine, juice, and beer. Nuchar HD meets the food-grade quality of activated carbons as defined in the current edition of the Food Chemicals Codex.

Specifications*

Iodine Number, (mg/g)	1000 min
Molasses Decolorizing Index	42 min
Particle Size,	
Thru 100 mesh (%)	95 min
Thru 200 mesh (%)	85 min
Thru 325 mesh (%)	65 min
Moisture, As Packed (%)	10 max
pH	2 min
Soluble Iron, (wt %)	0.01 max
Total Water Solubles, (wt %)	4 max

Typical Properties *_±

Apparent Density, (lbs/cu ft)	13-19
Apparent Density, (kg/m ³)	200-300
Ash, (%)	3 – 6
Surface Area, (m ² /g)	1500-1900
Pore Volume to 1000 Å (cc/g)	1.3 – 1.5

*Specifications and typical property data as produced using MeadWestvaco procedures.

(04/09)

**Typical properties are for general information and are not to be construed as purchase specifications.

CAS Registry Number: 7440-44-0

The information contained herein is believed to be accurate, but no warranty is given nor is freedom from any patent to be inferred.

MWV

Specialty Chemicals
P.O. Box 140
Covington, VA 24426
FAX: (540) 965 0230

Toll Free: 800-284-1724
Email: carbon@mwv.com

World Wide Web:
<http://www.mwvnuharcarbon.com>

©2008 MeadWestvaco Corporation

Samples: Samples are available from MeadWestvaco's Carbon Department. To request a sample, call, write or e-mail us.

Safety: Always refer to the Material Safety Data Sheet for detailed information on safety. Contact us for MSDS information.

Caution: Never enter tanks or other confined areas containing wet, activated carbon. Wet, activated carbon will adsorb oxygen and asphyxiation may result.

