

PRODUCT DATA BULLETIN

Description and Typical Applications

Nuchar SA-20 is a powdered activated carbon with unusually high sorptive capacity for high molecular weight color bodies. Thus, Nuchar SA-20 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 spirits, particularly wine. Nuchar SA-20 meets the food-grade quality of activated carbons as defined in the current edition of the Food Chemicals Codex and is Certified to NSF/ANSI Standard 61.

Specifications*

Iodine Number, (mg/g)	1000 min
Molasses Decolorizing Index	20 min
Filtering Time, (sec)	50-100
Moisture, (% As Packed)	10 max
pH	4-6

Typical Properties *±

Apparent Density, (lbs/cu ft)	20-23
Apparent Density, (kg/m ³)	321-369
Ash, (%)	3 - 6
Surface Area, (m ² /g)	1400-1800
Pore Volume to 1000 Å, (cc/g)	1.1 – 1.3
Water Solubles, (%)	1 – 3
Sieve Analysis:	
% Thru 100 mesh (150 µ)	95 - 100
% Thru 200 mesh (75 µ)	85 - 95
% Thru 325 mesh (45 µ)	65 - 85

Packaging

Bulk Trucks - Approximately 30,000 pounds	(13,608 kilograms)
Bulk Rail Cars - 80,000 - 100,000 pounds	(36,288 - 45,360 kilograms)
45-pound Bags (on nonreturnable wood pallet)	(20.4 kilograms)
Bulk Bags - 750 pounds	(340 kilograms)

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

(Rev 05/09)

*†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

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.

Toll Free: 800-284-1724

Email: carbon@mwv.com

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

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

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