

DATASHEET

No. 4155
Jul 2009**DARCO® KB-WJ**

POWDERED ACTIVATED CARBON

DARCO KB-WJ is an extremely active carbon that is excellent for the decolorization of highly colored liquids in the beverage industry. **DARCO KB-WJ** is especially effective in achieving high decolorization levels at low carbon dosage rates, which is necessary for the wine industry. As with the classic DARCO KB product line, **DARCO KB-WJ** is produced by chemical activation of wood using the phosphoric acid process.

Product Specifications

Wine index	1.0 min.
Ash, mass-%	4 max.
pH	2.0 to 3.5
Moisture (as packed), mass-%	15.0 max.

Typical Properties

Molasses number (EUR)	100
Methylene blue adsorption, g/100 g	38
Surface area (BET), m ² /g	1800
Particle size	
d10, µm	4
d50, µm	20
d90, µm	40
Acid soluble matter, mass-%	2.5
Calcium (acid extr.), mass-%	0.01
Iron (acid extr.), mass-%	0.01
Filtration time, minutes	40
Food Chemicals Codex	Passes

NOTES

- 1) All analyses based on Norit Standard Test Methods (NSTM).
- 2) Typical properties for general information only, not to be used as purchase specifications.

Packaging/Transportation

Standard package is 12.5 kg bags, 48 bags per pallet for a net pallet weight of 600 kg. Alternate packages include 250 kg bulk bags, 2 per pallet.

Carbon, activated, 4.2, UN1362, PGIII

Import/Export classification: 3802.10.0000 (HS Tariff Classification)

Domestic Freight Classification: NMFC 040560

CAS # 7440-44-0

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(continued)

Material Handling

Wet activated carbon depletes oxygen from air and, therefore, dangerously low levels of oxygen may be encountered. Whenever workers enter a vessel containing activated carbon, the vessel's oxygen content should be determined and work procedures for potentially low oxygen areas should be followed. Appropriate protective equipment should be worn. Avoid inhalation of excessive carbon dust. No problems are known to be associated in handling this material. Please see the product Material Safety Data Sheet for details. Long-term inhalation of high dust concentrations can lead to respiratory impairment. Use forced ventilation or a dust mask when necessary for protection against airborne dust exposure (see Code of Federal Regulations - Title 29, Subpart Z, par. 1910.1000, Table Z-3).

Note: Any specification given was valid at time of issuance of the publication. However, we maintain a policy of continuous development and reserve the right to amend any specification without notice.