

DATASHEET

No. 3104
Jul 2007

NORIT® E SUPRA USP POWDERED ACTIVATED CARBON

NORIT E SUPRA USP is used as an antidote in case of poisoning or as an adsorbent for the purification of pharmaceutical products. It has a high adsorption capacity. **NORIT E SUPRA USP** is a medicinal, steam activated carbon of 100% natural origin and has been processed to meet purification standards required for medical use.

Product Specifications

¹ Microbial limits	Passes Test
¹ Reaction (pH)	Neutral
¹ Acid soluble substances, mass-%	3.5 max.
¹ Chloride, mass-%	0.2 max.
¹ Sulfate, mass-%	0.2 max.
¹ Sulfide	Passes Test
¹ Cyanogen compounds	Passes Test
¹ Heavy metals, mass-%	0.005 max.
¹ Uncarbonized constituents	Passes Test
¹ Loss on drying, mass-%	15.0 max.
¹ Residue on ignition, mass-%	4.0 max.
¹ Adsorption capacity (alkaloids), %	Passes Test
¹ Adsorption capacity (dyes), mL	0.7 min.
² Methylene Blue Adsorption, g/100 g	14 min.
² Acid Soluble Matter, mass-%	1.0 max.
² Moisture, % as packed	10 max.

Notes

- 1 Tests carried out on NORIT E SUPRA USP activated carbon, according to the latest USP edition.
- 2 Tests carried out on NORIT E SUPRA USP activated carbon, according to NORIT Standard Test Methods.

Typical Properties*

Iodine number	850
Molasses number (EUR)	240
Surface area (BET), m ² /g	900
Apparent density, tamped, g/mL	0.36
	lb/ft ³
	22
Particle size	
d10, µm	5
d50, µm	23
d90, µm	100
Ash, mass-%	3
Filtration time, min	13
Food Chemicals Codex	Passes

*Typical properties for general information only, not to be used as purchase specifications.

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(continued)

Packaging/Transportation

Standard package is 15 kg bags, 48 bags per pallet for a net pallet weight of 720 kg.

Activated carbon (NOT REGULATED)

Exempt from DOT, IATA, and IMDG regulations

Import/Export classification: 3802.10.0000 (HS Tariff Classification)

Domestic Freight Classification: NMFC 040560

CAS # 7440-44-0

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. This product may contain silica. 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.