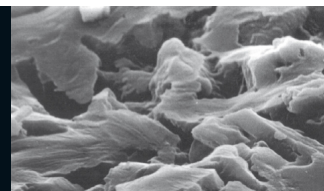


Norit Electronic Version

Datasheet



Norit SA 4 PAH

Norit SA 4 PAH is specially developed for bleaching of edible oils and fats. It is especially suitable for the removal of polycyclic aromatic hydrocarbons (PAH) from vegetable oils. It has proven to be also very suitable to remove dioxins and PCB's from fish oils. As a result of its composition, hydrolysis of oil is minimized when using this carbon. Norit SA 4 PAH is a steam activated carbon produced under stringent controlled conditions at which equal adsorptive capacities and filtration properties are ensured for every produced lot. Norit SA 4 PAH is developed to provide the optimum balance between required adsorptive capacity and oil retention in the filter cake.

Norit SA 4 PAH meets the requirements of the U.S. Food Chemicals Codex (6th edition, 2008). It is produced under the scope of a Quality Management System which complies with the requirements of CDX HACCP. The corresponding Certificate of Registration is available upon request.

SPECIFICATIONS

Fluorescent substances	Not detected	-
Light PAH adsorption index	min. 4.3	-
Heavy PAH adsorption index	min. 10.5	-
Moisture (as packed)	max. 5	mass-%

GENERAL CHARACTERISTICS

Light PAH adsorption index	5.3	-
Heavy PAH adsorption index	11.0	-
Total surface area (B.E.T.)	1150	m ² /g
Apparent density (tamped)	510	kg/m ³
Particle size D ₁₀	4	µm
Particle size D ₅₀	24	µm
Particle size D ₉₀	90	µm
Ash content	12	mass-%
Chloride (acid extr.)	0.1	mass-%
pH	alkaline	-
Moisture (as packed)	2	mass-%
Filtration time	20	min

Food

Document No.

SB4PC

Product / Application

Powdered activated carbon

Version

27 April 2009

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Norit

leading in purification

Activated Carbon

NOTES

- 1 All analyses based on Norit Standard Test Methods (NSTM)
- 2 Specifications are guaranteed values based on lot to lot quality control, as covered by Norit's ISO 9001 certification.
- 3 General characteristics reflect average values of product quality.

PACKAGING

Norit SA 4 PAH is available in:

- Multiply paper bags of 20 kg, 48 bags per pallet, shrink wrapped (960 kg net weight per pallet)
- Bulk bags of 900 kg net weight on a pallet, shrink wrapped
- Bulk tank cars

Product availabilities depend on the type of packaging.

Caution: For health and safety related aspects please refer to the Material Safety Datasheet (MSDS), which is available on request.

Notes: Any product quality information including specifications given was valid at the time of issuance of the publication. However, we maintain a policy of continuous development and reserve the right to amend any product quality aspects without notice. All data and suggestions regarding the use of our products are believed to be reliable and given in good faith. However, they are given without guarantee, as the use of our products is beyond our control, and are not to be construed as recommendation or instigation to violate any existing patent.

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This datasheet (Issue 27 April 2009) replaces previous issues.