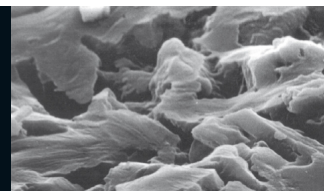


## Norit Electronic Version

## Datasheet



## Norit DX 1

Norit DX 1 is very suitable for purification of many food products, in particular starch based sweeteners. It has a high decolourising capacity combined with a high adsorptive capacity for small organic impurities such as the colour precursor hydroxymethylfurfural. Norit DX 1 is an acid washed steam activated carbon; its high purity and low water extractable conductivity makes it very suitable for use in demineralised syrups.

Norit DX 1 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

<b>Molasses number (EUR)</b>	<b>max. 320</b>	-
<b>Acid soluble matter</b>	<b>max. 1.5</b>	<b>mass-%</b>
<b>Calcium (acid extr.)</b>	<b>max. 0.05</b>	<b>mass-%</b>
<b>Iron (acid extr.)</b>	<b>max. 0.05</b>	<b>mass-%</b>
<b>Moisture (as packed)</b>	<b>max. 10</b>	<b>mass-%</b>

## GENERAL CHARACTERISTICS

Iodine number	1000	-
Molasses number (EUR)	260	-
Methylene blue adsorption	17	g/100 g
Total surface area (B.E.T.)	1100	m <sup>2</sup> /g
Apparent density (tamped)	470	kg/m <sup>3</sup>
Particle size D <sub>10</sub>	5	µm
Particle size D <sub>50</sub>	30	µm
Particle size D <sub>90</sub>	100	µm
Ash content	7	mass-%
Chloride (acid extr.)	0.4	mass-%
pH	5	-
Moisture (as packed)	3	mass-%
Filtration time	13	min

Food

Document No.

DX1

Product / Application

Powdered activated carbon

Version

4 November 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 DX 1 is available in:

- Multiply paper bags of 15 kg, 48 bags per pallet, shrink wrapped (720 kg net weight per pallet)
- Bulk bags
- 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.

This datasheet is generated in an electronic way and is meant to be used only for the purpose of convenience. In case of divergencies between this datasheet and the original datasheet available at Norit's headoffice, the original datasheet prevails. Customer should notify Norit immediately of this divergence.

**This datasheet (Issue 4 November 2009) replaces previous issues.**