

DATA SHEET NEVTRACO FILTER MEDIA (1-3 mm)

Processing

NEVTRACO-I is manufactured from bryozoan limestone in Denmark. The limestone is crushed, dried, pulverized, and air separated.

NEVTRACO-I is a very pure calcium carbonate (CaCO_3).

Application

Iron removal and pH correction.

Data

Because NEVTRACO-I is a natural product, minor variations in properties may occur.

The specifications of the chemical and physical properties are shown below as average values ($\bar{x}$) with standard deviations (s).

Average values $\pm$ standard deviations multiplied by two ($\bar{x} \pm 2 \times s$) indicate the confidence intervals, within which 95 % of all analysis results are found.

Chemical analysis

	$\bar{x}$	s
Content of carbonate ¹⁾ ($\text{CaCO}_3 + \text{MgCO}_3$)	98.0 %	0.7 %
Calcium carbonate ²⁾ (CaCO_3)	96.8 %	0.7 %
Magnesium carbonate (MgCO_3)	1.0 %	0.2 %
Residue insoluble in hydrochloric acid ³⁾	2.1 %	0.6 %
Aluminium oxide (Al_2O_3)	0.15 %	0.1 %
Ferric oxide (Fe_2O_3)	0.07 %	0.01 %
Manganese oxide (MnO)	0.02 %	0.01 %
Sulphur (S)	0.04 %	0.01 %
Moisture (H_2O)	0.05 %	0.02 %

¹⁾ Calculated as CaCO_3

²⁾ Calculated as calcium (Ca) = 38.9 %

³⁾ Residue insoluble in hydrochloric acid is inclusive of Al_2O_3 , Fe_2O_3 and MnO



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Physical properties

Sieve analysis ⁴⁾

	$\bar{x}$	s
Percentage retained + 1.0 mm	96 %	2
+ 3.0 mm	4 %	1

⁴⁾ Determined through manual screening

Density 2.7 g/ml

Bulk density

	$\bar{x}$	s
Bulk density, loose	1200 kg/m ³	100 kg/m ³
Bulk density, packed	1250 kg/m ³	100 kg/m ³

Delivery NEVTRACO-I is supplied in bags of 25 kg.

Storage NEVTRACO-I should be stored in a dry place.