

Technical Data Sheet

Zeolita Natural **NUTRI**[®]

Clinoptilolite 1g568



PRODUCT IDENTIFICATION

Product Name	Zeolita Natural NUTRI – Clinoptilolite 1g568
Description	Clinoptilolite of sedimentary origin
Particle sizes available	<425 microns, <700 microns
Chemical name	Hydrated calcium potassium magnesium aluminosilicate.
CAS number	12173-10-3

MINERALOGICAL CHARACTERISTICS

Principal Components	Clinoptilolite 88 - 95% (XRD Analysis)
Other Components	Montmorillonite 2-5%, Feldspars, 3-5%, Muscovite 0-3%, Cristobalite 0-2%
Colour	Ivory
Density of solid rock	2000 - 2400 kg/m ³
MOHS Hardness	2,0 – 3,0

PHYSICO-CHEMICAL CHARACTERISTICS

Chemical Composition	SiO ₂ : 65 - 72 % Al ₂ O ₃ : 10 - 12 % K ₂ O : 2,3 – 3,5 % CaO : 2,5 - 3,7% MgO : 0,9 - 1,2% Na ₂ O : 0,3 – 0,65 % Fe ₂ O ₃ : 0,8 - 1,9 % TiO ₂ : 0 - 0,10 %	Heavy Metals: As <7 ppm Cd <1 ppm Pb <30 ppm Hg <0,1 ppm
Cation exchange capacity (CIC)	1,5 a 1,9 meq/g	
Apparent Porosity	45 - 50 %	
Specific Surface Area (BET Method)	70 – 80 m ² /g	
pH (10% in water)	7 - 8	
Thermal Stability	< 450 °C	
Chemical Stability (pH)	3 < pH < 11	
Bulk Density of powder	0,65 – 0,85 g/cm ³	

Product Presentation

Packaging	25kg PP sacks. Pallets of 40 sacks (1000 kg per pallet), 1000kg Bigbags.
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Recommended applications

Animal feed additive - conforms with EU directive 70/524/EEC (1g568).
