

## TECHNICAL DATA SHEET

### 1. GENERAL INFORMATION

Trade Name	Natmin 9000
Chemical Name	Natural Zeolite
Chemical Family	Clinoptilolite group (of sedimentary origin) (1g568)
CAS Number	1318-02-1 (zeolite) / 12173-10-3 (clinoptilolite)
EINECS Number	215-283-8
Producer	Gordes Zeolit Madencilik Sanayi ve Ticaret Anonim Sirketi
Office Address	Ankara Caddesi, No:81/123, Bayraklı, Izmir/Turkey T: +90 232 348 56 56 F:+90 232 348 43 10
Factory Address	Demirci Yolu 4.km, Bodamaz Mevkii, Gordes, Manisa/Turkey T/F: +90 236 547 30 17

### 2. PRODUCT DESCRIPTION

Animal feed additive

### 3. CHEMICAL COMPOSITION

Chemical Composition\* (determination by X-Ray fluorescence analyse, DIN 51001)

	w/w %
SiO <sub>2</sub>	68,8
Al <sub>2</sub> O <sub>3</sub>	14,6
Fe <sub>2</sub> O <sub>3</sub>	0,91
TiO <sub>2</sub>	0,08
CaO	2,57
MgO	0,63
Na <sub>2</sub> O	0,72
K <sub>2</sub> O	3,43
SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub>	4,7

\* Generic values. Test reports available upon request.

The heavy metal and dioxin contents are in conformity with European Feed Regulations. Test reports available upon request.

#### **4. PHYSICAL, CHEMICAL AND MINERALOGICAL PROPERTIES**

Form	Solid, powder
Colour	White, light cream, whitish beige, beige
Odour	None
Moisture	Standard: <4%, <8%, <12%. Moisture level can be adjusted.
Size	Standard: < 200 µm, < 1mm. Any other size available.
Specific Gravity	1,9 – 2,1 g/cm <sup>3</sup>
Bulk Density	0,6 – 1,2 g/cm <sup>3</sup>
Solubility in Water	Insoluble
Average Porosity	35-40%
Surface Area	40,79 m <sup>2</sup> /g
Water Retention Capacity	35-45%
NH <sub>4</sub> <sup>+</sup> Exchange Capacity	1,6 – 2,0 meq/g
Thermal Stability	up to 840 °C

#### **5. APPLICATION**

Natmin 9000 is used as a feed additive for all animals in conformity with European legislations.

#### **6. PACKAGING AND STORAGE**

Available in 25 kg bags or big-bags

Store in original packaging in a cool and dry environment; avoid direct exposure to sunlight