



12 ZEOLITE



PRODUCT DESCRIPTION

Natural Zeolite (Clinoptilolite Grade) is a crystalline hydrated aluminosilicate featuring high cation exchange capacity (CEC ≥ 120 meq/100g), excellent adsorption properties, and molecular sieving performance.

It is widely used in agriculture, environmental treatment, odor control, and industrial applications.

The product is supplied as a light gray to cream powder or granule.



CHEMICAL COMPOSITION

COMPONENT	CONTENT (%)
SiO ₂	68.95
Al ₂ O ₃	11.14
Fe ₂ O ₃	0.97
CaO	4.83
MgO	0.79
Na ₂ O	0.95
K ₂ O	0.95
SO ₃	0.068
LOI (Loss on Ignition)	10.64

i Values are typical and may vary slightly depending on origin and grade.



PHYSICAL PROPERTIES

PROPERTY	VALUE
Appearance	Fine Powder, Cream to Light Gray
Moisture (as packed)	$\leq 1.0\%$
Bulk Density	0.85 – 0.95 g/cm ³
pH (in 5% suspension)	7.5 – 9.0
Cation Exchange Capacity (CEC)	≥ 120 meq/100g



APPLICATIONS



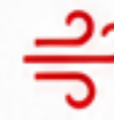
AGRICULTURE & SOIL AMENDMENT

Improves soil structure, water retention, and provides ammonium adsorption and pH buffering.



LIVESTOCK & POULTRY

Controls odor, reduces ammonia levels, and improves litter treatment.



ODOR & GAS CONTROL

Effective adsorption of NH₃, VOCs, and other harmful gases.



CONSTRUCTION & OILFIELD

Used as lightweight aggregate, cement additive, and drilling fluid additive.



OILFIELD APPLICATIONS

Enhances drilling fluid performance, controls filtration, and stabilizes wells.



ENVIRONMENTAL TREATMENT

Used in water treatment, heavy metal adsorption, and waste management.



AVAILABLE FORMS



LUMP ZEOLITE



GRANULAR ZEOLITE



POWDER ZEOLITE



PACKAGING

- Palletized Bags (in container)
- 1 m³ Jumbo Bags (in container)



WIDELY USED IN KEY INDUSTRIES



AGRICULTURE & SOIL AMENDMENT



LIVESTOCK & POULTRY



ODOR & GAS CONTROL



CONSTRUCTION MATERIALS



OILFIELD APPLICATIONS



ENVIRONMENTAL TREATMENT