

## **Clinoptilolite zeolite powder**

**Medical:** Zeolites are also marketed as dietary supplements to treat cancer, diarrhea, autism, herpes, and hangover, and to balance pH and remove heavy metals in the body.

Clinoptilolite is a type of mineral supplement that is often used to help with digestion and detoxification.

Zeolite, also known as Clinoptilolite, is a sustainable and all-natural mineral. Used in many applications, Zeolite is most commonly used to control moisture, capture odors and neutralize potentially harmful compounds. The Zeolite mineral is composed of volcanic ash and alkaline water formed under extended pressure.

They are used as drying agents, in detergents, and in **water and air purifiers**.

## **What is Zeolite=Clinoptilolite used for:**

**1. Clinoptilolite** [(Na<sub>4</sub>K<sub>4</sub>)(Al<sub>8</sub>Si<sub>40</sub>O<sub>96</sub>).24H<sub>2</sub>O], the most common natural

zeolite occurs as a tuffaceous lacustrine sedimentary deposit. Zeolites are crystalline, hydrated aluminosilicates of alkali and earth metals that possess infinite, three-dimensional crystal structures. They are further characterized by an ability to lose and gain water reversibly and to exchange some of their constituent elements without major change of structure.

**2. Natural Pozzolan - Clinoptilolite Zeolite** has many applications as a **lightweight natural pozzolan** in the manufacture of **cements and concrete** as a **replacement for coal fired power plant fly ash**. It accepted and now required in today's ready-mix concrete mix design specifications and is also a component in the manufacture of **low CO2 cement**.

**3. Clinoptilolite** has numerous agricultural applications such as **fertilizer extenders and soil conditioners**, and as a **carrier for pesticides, fungicides, and herbicides**, as well heavy metal traps and for animal nutrition and dietary supplements. Zeolite is widely used for **odor and emissions control in dairies and dairy lagoons**.

**4. Clinoptilolite** is a ion-exchange catalyst used in the purification of water and municipal sewage effluent, in the production of high purity oxygen from air, as a reforming petroleum catalyst, as an acid-resistant absorbent in the drying and purification of natural gas.

**5. Clinoptilolite zeolites** are excellent ion exchangers in pollution-control processes such as radioactive waste disposal, sewage and agricultural-effluent treatment, water purification, agricultural wastewater treatment, stack-gas cleanup, oil-spill clean up, in the separation of oxygen and nitrogen from air. Clinoptilolite is also used as a desiccant for removal of water from gaseous hydrocarbons and petroleum.

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