

Dor Zeo

Zeolite, Inulin Sachet Food Supplement

D3 K2 Enriched with vitamins;
execution with methyl folate
and inulin
enhanced zeolite



☎ 0212 853 53 55
✉ info@dorukpharma.com
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Dor Zeo

Zeolite, Inulin Sachet Food Supplement
Rich with Vitamin & Minerals



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ZEOLITE

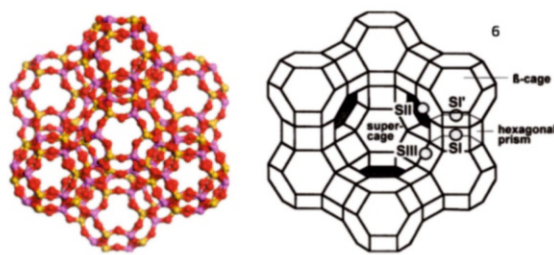
IT IS A NATURAL MINERAL WITH VOLCANIC ASH AND SEA WATER
IT HAS OCCURRED IN THOUSANDS OF YEARS IN ITS COMBINATION.

It's emerged from the eruption of volcanoes with lake or sea waters. The term of zeolite was found in 1756 by Swedish mineralogist, Axel Fredrik Cronstedt (Golomeova & Zendelska, 2016; Kuruca et al., 2020, Firat & Kargin, 2021). The zeolites exhibit a three dimensional framework In its cage Cs⁺, Rb⁺, NH₄⁺, Sr⁺, Mg²⁺, Na⁺, Al³⁺, Ca²⁺, Fe²⁺, Hg²⁺, Cd²⁺, Pb²⁺ are selectively binding (Mishra & Jain, 2011).

ZEOLITE

ZEOLITE STRUCTURE

Zeolites are aluminum silicate crystals with a framework structure of three-dimensional tetrahedral units that have abundant micropores with molecular dimensions. Furthermore, this porous crystalline solid has high surface area for unique reactions and adsorption (Gülen et al, 2012; Golomeova & Zendelska, 2016).



WHY ZEOLITE IS IMPORTANT FOR FOOD & PHARMACEUTICAL INDUSTRY?^{1,2,7}

ION - EXCHANGE

Bio catalyses process
High physical and chemical stability

Adsorbent Properties

Metalloenzyme Mimicry

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BENEFITS OF ZEOLITE

- **Natural adsorbent**
- **High cation exchange capacity**
- **Zeolite is effective in removal of toxic heavy metals from the body via urine. Uremic toxins such as urea, uric acid, creatinine, p-cresol and indoxyl sulfate from solutions are eliminated by by zeolites**
- **An immunomodulating factor of the immune system**
- **A molecular sieve**
Size-selection adsorption separation
- **Antioxidan Detox effect**
- **Eliminate harmful Substances in the gastrointestinal track**

	1 Sachet * DV	2 Sachets * DV
Zeolite	3000 mg	6000 mg
Inulin	1250 mg	2500 mg
Vitamin K2	20 µg (*BRD %26,67)	40 µg (*BRD %53,34)
Vitamin D3	12,5 µg / 500 IU (*BRD %250)	25 µg 1000 IU (*BRD %500)
Folic Acid	200 µg (*BRD %200)	400 µg (*BRD %200)

*Daily Value

DAILY RECOMMENDED DOSAGE : One sachet is dissolved in 1 glass of water (240 ml) daily for children aged 4 to 10 years. Children aged 11 and older consume 2 sachets daily. it's recommended to consume with meals. If necessary drink plenty of water.

FOOD SUPPLEMENT APPROVAL NUMBER: 015153-11.11.2022

REFERENCES

¹ Golomeova, M. ve Zendelska, A. (2016). Application of Some Natural Porous Raw Materials for Removal of Lead and Zinc from Aqueous Solutions. Intech

² Kuruca, S. Ve ark. (2020). 1,2 Dimetilhidrazin ile oluşturulan kolon kanseri modelinde zeolit destekli beslenmenin kanser gelişimine etkileri. İstanbul Tıp Fakültesi Dergisi 83(3):234-40.

³ Firat, Ö., Kargin, F. (2021). Glutasyon ile ilişkili enzim sistemleri kullanılarak oreochromis niloticus'ta civa toksitesi üzerine antioksidan olarak selenyum ve mineral olarak zeolit koruyucu etkilerinin araştırılması. Acta Aquatica Turcica, 17(3), 306-316.

⁴ Aksakal, E. L. Ve Budak, Y. (2019). Zeolitin Farklı Tekstür Sınıfındaki Toprakların Fiziksel Özellikleri Üzerine Etkileri. Atatürk Üniversitesi Ziraat Fak. Dergisi. 50 (2): 174 - 186

⁵ Inan, S. (2022). Stronsiyum gideriminde sentetik inorganik iyon değiştiricilerin kullanımı. GUFBD / GUJS 12(3): 964-981.

⁶ Guo, Y. ve ark. (2018). Desorption characteristics and kinetic parameters determination of molecular sieve by thermogravimetric analysis/differential thermogravimetric analysis technique. Adsorption Science & Technology, 0(0) 1-16

⁷ Stylianou, M. A. (2012). Natural Zeolites in Medicine. Handbook of Natural Zeolites: 317-334.

⁸ Tzia, C. ve Zorpas, A. A. (2012). Zeolites in Food Processing Industries. Handbook of Natural Zeolites: 601-651.

⁹ Pavelic, S. A. ve ark. (2018). Critical review on zeolite clinoptilolite Safety And Medical Applications In Vivo. Front. Pharmacol. 9:1350.

COMPANY NAME: Doruk Pharma Sağlık Eğitim Danışmanlık İlaç Sanayi Ve Ticaret Limited Şirketi

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