

## TDS - Technical Data Sheet

### Production information

#### Synthetic zeolite (ZEO13)

**1.General description:** Synthetic zeolite (ZEO13) has wide applications in various industries, including detergents and petrochemicals, due to its regular porous structure and high surface absorption properties. This zeolite acts as an absorbent and catalyst and gives unique properties to products.

**2.Application:** The use of synthetic zeolite (ZEO13) in the detergent industry is that it absorbs calcium and magnesium ions (which cause water hardness). This increases the efficiency of detergents, because these ions react with surfactants and reduce their efficiency. Also, this type of zeolite is used in the petrochemical industry to absorb moisture and remove some hydrocarbon pollutants. This synthetic zeolite is available in powder and granule form.

### 3. Specification

Specification	Limits	Unit
Appearance	White powder	-
Odor	Odorless	-
Moisture content	< 5	%
pH of 5% aquas suspension	10.5	-
Density	450 - 550	g/L
Loss on Ignition (L.O.I)	24 ± 2	%
Cation exchange capacity (C.E.C)	200 - 250	Mg CaO/g anh
SiO <sub>2</sub> content	32.31	%
Al <sub>2</sub> O <sub>3</sub> content	27.03	%
Na <sub>2</sub> O content	16.13	%
Purity	99.7	%
Particle size	In order	-