

# 5A Molecular Sieve Powder

## Description:

|                                                    |                                                                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>                                | 5A Molecular Sieve Powder                                                                                                |
| <b>Chemical Name</b>                               | Calcium-type sodium aluminosilicate                                                                                      |
| <b>Chemical Formula</b>                            | $3/4\text{CaO} \cdot 1/4\text{Na}_2\text{O} \cdot \text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot 4.5\text{H}_2\text{O}$ |
| <b>CAS NO</b>                                      | 1318-02-1                                                                                                                |
| <b>Pore Size</b>                                   | 5 Å ( 0.5 nm )                                                                                                           |
| <b>SiO<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub></b> | 2.0                                                                                                                      |
| <b>Appearance</b>                                  | White Powder                                                                                                             |

## Application:

The powder of molecular sieve is mainly used to make molecular sieve. By mixing with binder, kaolin and other materials, it can be processed into spherical, strip or other irregular shapes. After high temperature roasting, it can be made into shaped molecular sieve, or directly made into activated zeolite powder.

Molecular sieves with different specifications and shapes can be formed by adding binder to the raw powder of molecular sieves, and then roasted by special process, which can be widely used in petrochemical, fine chemical, air separation, insulating glass and other fields, and show their respective adsorption characteristics and catalytic characteristics.

## Specification:

| Properties              | Unit | 5A (Ca) | 5A (Ca) |
|-------------------------|------|---------|---------|
| Type                    | /    | JZ-ZT57 | JZ-ZT59 |
| Static Water Adsorption | %    | ≥27.5   | ≥27.5   |
| Bulk Density            | g/ml | ≥0.65   | ≥0.65   |
| CO <sub>2</sub>         | %    | ≥21     | ≥21     |
| Exchange Rate           | %    | ≥75     | ≥90     |
| PH                      | %    | ≤11     | ≤10.5   |
| Package Moisture        | %    | ≤22     | ≤22     |

## Standard Package:

Kraft bag / jumbo bag

## Attention:

The product as desiccant cannot be exposed in the open air and should be stored in dry condition with air-proof package.