

## ZEOLITE 4A-MS

Zeolite 4A-MS is a white powder of high purity with a regular, highly crystalline structure and strong catalytic properties. Through the process of ion exchange, it is possible to replace sodium ions with other ions to obtain modifications (zeolite 3A, 5A etc.).

### Technical data

Properties	Chemical Characteristics		
	unit	Typical Value	Guarantee Value
LOI (1000 °C, 1h)	%	19	22 max
Al <sub>2</sub> O <sub>3</sub>	%	36	34 - 37
Na <sub>2</sub> O	%	22	21 - 23
SiO <sub>2</sub>	%	42	41 - 43
Fe total	ppm	120	150 max
Fe chelatable	ppm	30	40 max
Properties	Physical Characteristics		
	unit	Typical Value	Guarantee Value
Whiteness	%	98.5	97 min
Bulk Density	kg/m <sup>3</sup>	350	300 - 400
Water Adsorption Capacity (50% relative humidity, 20° C)	%	26.5	25.5 min
pH (1 % water suspension)		11	12 max
Particle size distribution			
D50	µm	4	10 max
Sieve residue (wet sieving; > 45 µm)	%	0.2	0.5 max
Cristallinity XRD	%	100	95 min

*The above values have been determined by the measuring methods and instruments of Nova Alumina doo Zvornik.*

### Applications

Zeolite 4A- MS is mainly used as a raw materials in molecular sieves productions as adsorbent and also in other chemical industries and catalysis.

### Packaging

We offer different types of packaging depending on your production needs:

Type of packing	Bulk (t)	Big bags (kg)	
Logistic units	Silo truck	Per pallet	Big bags - different types
Mass per logistic unit	25	500, 600, 1000, 1200	

*Specific type of packaging can be offered on demand.*

### Logistics

In order to meet your requirements in terms of delivery, we offer different logistic solutions.

Our basic offer in terms of TRANSPORTATION is:

Type of Transportation	Road transportation	Rail transportation
Packaging	In bulk or in bags on pallet.	In bulk or in bags on pallet.

*Other type of delivery on demands.*