

# ALUMINIUM HYDROXIDE (ATH)

## NON-METALLURGICAL

**ATH** is obtained as a result of aluminum solutions decomposition in the course of Bayer process of alumina production. Commercially available form is white powder of defined granulation, insoluble in water, soluble in hydrochloric or sulfuric acid or sodium hydroxide.

### TECHNICAL DATA

Properties	Chemical Characteristics		
	unit	Typical Value	Guarantee Value
Al <sub>2</sub> O <sub>3</sub>	%	64.7 – 65.5	64.5 min
SiO <sub>2</sub>	%	0,003 – 0,007	0,009 max
Fe <sub>2</sub> O <sub>3</sub>	%	0,005 – 0,008	0,012 max
Na <sub>2</sub> O	%	0,08 – 0,14	0,16 max
CaO	%	0,012 – 0,016	0,020 max
P <sub>2</sub> O <sub>5</sub>	%	0,0001 – 0,0003	0,0006 max
TiO <sub>2</sub>	%	0,0013 – 0,0018	0,002 max
ZnO	%	0,011 – 0,014	0,015 max
Properties	Chemical Characteristics		
	unit	Typical Value	Guarantee Value
Moisture Content (105° C)	%	5 – 7	8 max
LOI (1000° C)	%	34 – 35	35 max
> 45 µm	%	85 – 90	80 min

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

### APPLICATIONS

**ATH** has a various applications, most commonly in production of alumina of different physical and chemical characteristics. Also in the industry of glass, glazes and frits, catalyst production, as filler for flame retardant, production of aluminum chemicals, etc.

### 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, 915, 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.



**alumina**

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