

ALUMINIUM HYDROXIDE DRY  
**HYDRAL 50**

**ATH** is obtained as a result of aluminum solutions decomposition in the course of Bayer process of alumina production and has a wide range of applications across industries due to its versatility.

**TECHNICAL DATA**

| Properties                     | Chemical Characteristics |                 |                 |
|--------------------------------|--------------------------|-----------------|-----------------|
|                                | unit                     | Typical Value   | Guarantee Value |
| Al(OH) <sub>3</sub>            | %                        | 99,5 – 99,8     | 99,5 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              | %                        | 0,18 – 0,25     | 0,30 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                            | %                        | 0,015 – 0,018   | 0,02 max        |
| Properties                     | Physical Characteristics |                 |                 |
|                                | unit                     | Typical Value   | Guarantee Value |
| Moisture Content (105° C)      | %                        | 0,1 – 0,3       | 0,5 max         |
| LOI (1000° C)                  | %                        | 34,0 – 34,5     | 35,0 max        |
| D50                            | µm                       | 45 – 55         | 65 max          |
| > 45 microns                   | %                        | 50 – 60         | 70 max          |
| Whiteness                      | %                        | 93 – 96         | 92 min          |
| Bulk density                   | kg/m <sup>3</sup>        | 950 – 1050      | 1100 max        |

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

**APPLICATIONS**

It is used as a raw material in different areas - production of anhydrous alumina of different physical and chemical characteristics in industry of glass, glazes and frits, in fibred cement board products, as flame retardant in cable industry, etc.

**PACKAGING**

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

| Type of packing        | Bulk (t)   | Big bags (kg) |                               | Small bags (kg) |                                 |
|------------------------|------------|---------------|-------------------------------|-----------------|---------------------------------|
| Logistic units         | Silo truck | Per pallet    | Big bags<br>- different types | Per pallet      | Small bags<br>- different types |
| Mass per logistic unit | 25         |               | 1000, 1200                    | 1000            | 25                              |

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.

