

## ALUMINIUM HYDROXIDE

### HydrAl 14 MX

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> | %                        | 0,006 – 0,010 | 0,012 max       |
| Na <sub>2</sub> O              | %                        | 0,12 – 0,18   | 0,25 max        |
| CaO                            | %                        | 0,008 – 0,010 | 0,015 max       |
| ZnO                            | %                        | 0,014 – 0,018 | 0,025 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        |
| Whiteness                      | %                        | 92 – 96       | 90 min          |
| Bulk density                   | kg/m <sup>3</sup>        | 850 – 950     | 800 min         |
| Oil Absorption (Linseed oil)   | ml/100g                  | 15 – 20       | 25 max          |
| D10                            | µm                       | 1 – 3         | 5 max           |
| D50                            | µm                       | 7 – 15        | 17 max          |
| D90                            | µm                       | 20 – 30       | 35 max          |

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

#### Applications

For catalyst production, ceramic industry, refractory materials, cement industry, glass industry, filler in different areas 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 - different types | Per pallet     | Small bags– different types |
| Mass per logistic unit | 25         | 1000          |                            | 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.