



# Alumina Trihydrate AB HD30

## Dry Hydrate, Dried Hydrated Alumina

Hydrated Alumina is used extensively in production of aluminum chemicals, most commonly: alum, zeolites, aluminum chlorhydrate, sodium aluminate, anhydrous aluminum fluoride, sodium aluminum sulfate, aluminum phosphate, alumina-based catalyst. For use in flame retardant and smoke suppressant applications (e.g. carpet backing and polymer systems. ATH is also used in crystal, glass, frits, enamels and glazing production.

Chemical Composition		Typical Range
Al <sub>2</sub> O <sub>3</sub>	[%]	64.7 – 65.0
Na <sub>2</sub> O total	[%]	0.2 – 0.25
Na <sub>2</sub> O leachable	[%]	0.01 – 0.05
Caustic insoluble	[%]	0.01 – 0.05
Acid insoluble	[%]	0.01 – 0.05
Fe <sub>2</sub> O <sub>3</sub>	[%]	0.01 – 0.02
SiO <sub>2</sub>	[%]	0.01 – 0.02

Physical Properties		Typical Range
Moisture (110°C)	[%]	0.05 – 0.2
LOI (300-1,000°C)	[%]	34.3 – 35.0
+100mesh (150µm)	[%]	5 – 15
+325mesh (45µm)	[%]	90 – 95

All data are based upon Almatris standard test methods. All values on dry basis except where indicated otherwise. The typical properties are the expected averages from production.



# Alumina Trihydrate AB D30

## Product Information

- Alumina Trihydrate is considered a non-toxic chemical. For more information, refer to Almatis Safety Data Sheet No. 2010.
- Almatis Alumina Trihydrate AB D30 is a white material, dried to the touch.
- Alumina Trihydrate is chemically aluminum trihydroxide or  $\text{Al}(\text{OH})_3$ , as a mineral named gibbsite.
- AB D30 is readily soluble in sulfuric acid and caustic soda.

## Product Applications

- Almatis Trihydrate AB HD30 is tightly controlled for soda, silica, calcia and iron content and in particle size. With that, it can be used in a wide variety of applications used as or for water treatment, flame retardant, aluminum fluoride, catalyst, ceramic or glass industry.

## Standard Packaging

- Loose bulk in dump truck
- Loose bulk in barge 1,500MT – 2,000MT
- Loose bulk in railcars
- Shipments by barge are FOB RM 169 on Lower Mississippi River (Burnside Terminal)
- Shipments by truck are FCA ...
- Shipments by railcar are FCA ...



Contacts for sales, technical information and application assistance



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**SDS 2010**