



## Global Product Data Sheet

# Alumina Trihydrate AB H30

## Wet Filter Cake – Damp Hydrate

For use in water treatment or as base product for chemical grade alumina manufacturing such as precipitated, coated or calcined alumina.

Chemical Composition		Typical	Max	Min	Comment
Al <sub>2</sub> O <sub>3</sub>	[%]			65.1	Determined by difference
Al(OH) <sub>3</sub>	[%]			99.6	Determined by difference
Na <sub>2</sub> O total	[%]	0.25	0.35		
Na <sub>2</sub> O leachable	[%]	0.05	0.10		
Na <sub>2</sub> O non-leachable	[%]	0.20	0.25		
Fe <sub>2</sub> O <sub>3</sub>	[%]	0.012	0.020		
SiO <sub>2</sub>	[%]	0.010	0.020		
TiO <sub>2</sub>	[%]	0.003	0.004		
CaO	[%]	0.006	0.013		
Acid insoluble	[%]		0.070		
Caustic insoluble	[%]	0.03	0.10		

Physical Properties		Typical	Max	Min	Comment
Moisture	[%]	8.0	12		Wet basis
LOI (300-1,000°C)	[%]	34.6	35		
+100mesh (150µm)	[%]	5.0	15		
+325mesh (45µm)	[%]	94	98	90	

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.



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## 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 H30 is a white material with a consistency of damp sand.
- Alumina Trihydrate is chemically aluminum trihydroxide or  $\text{Al}(\text{OH})_3$ , as a mineral named gibbsite.
- AB H30 is readily soluble in sulfuric acid and caustic soda.

## Product Applications

- Almatis Trihydrate AB H30 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 oceangoing vessel up to 10,000MT
- All shipments are FCA/FOB RM 169 on Lower Mississippi River (Burnside Terminal)



Contacts for sales, technical information and application assistance



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