



Shandong Zhanchi New Materials Co., Ltd
Shanghai Chenxu Trading Co.,Ltd

ADD: Room 531 Building 37 No.,2049 Road,Minhang District,Shanghai,CHINA.201104

High purity aluminum hydroxide



Basic overview:

Aluminum hydroxide is an inorganic substance. The chemical formula $\text{Al}(\text{OH})_3$ is the hydroxide of aluminum. Aluminum hydroxide can react with acid to form salt and water, and can react with strong alkali to form salt and water. Therefore, it is an amphoteric hydroxide. Because it is also acidic, it can also be called aluminic acid (H_3AlO_3). However, tetrahydroxyaluminate ($[\text{Al}(\text{OH})_4]^-$) is actually generated when reacting with alkali. Therefore, it is usually regarded as metaaluminic acid monohydrate ($\text{HAlO}_2 \cdot \text{H}_2\text{O}$), which can be divided into industrial grade and pharmaceutical grade according to its use.

Our company aluminum hydroxide description: Through the strict control of raw materials and production process, our company 5N 99.999% high purity aluminum hydroxide powder has high purity and good product stability



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Specifications:

4N 99.99% and 5N 99.999% high purity aluminum hydroxide			
Type		CX100A	CX100
Al ₂ O ₃ Content	%	≥99.99%	≥99.999%
Whiteness		≥90	≥90
Phase state		Al ₂ O ₃ • nH ₂ O (n=0.2-3)	Al ₂ O ₃ • nH ₂ O (n=0.2-3)
Appearance		White powder	White powder
Na	ppm	≤10	≤2
Fe	ppm	≤10	≤2
Ca	ppm	≤2	≤1
Si	ppm	≤10	≤2
Cu	ppm	≤2	≤1
Mg	ppm	≤2	≤1
Ti	ppm	≤2	≤1
Cr	ppm	≤2	≤1
D ₅₀ (Size)	um	10-30	10-30
Apparent Density	g/cm ³	0.3-0.5	0.3-0.5
Specific Surface Area	m ² /g	≥180	≥180
Sintered Density	g/cm ³	---	---

Application : 5N 99.999% high purity aluminum hydroxide powder is the most widely used inorganic flame retardant additive. As a flame retardant, aluminum hydroxide can not only be flame retardant, but also prevent smoking, no dripping and no toxic gas. Therefore, it has been widely used, and its use is increasing year by year. Scope of application: thermosetting plastics, thermoplastics, synthetic rubber, coatings, building materials and other industries. At the same time, aluminum hydroxide is also the basic raw material of aluminum fluoride necessary for electrolytic aluminum industry, and aluminum hydroxide is also widely used in this industry

OEM : We also have other type 4N and 5N high purity aluminum hydroxide powder, contact with us for OEM