



Shanghai Chenxu Trading Co.,ltd

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

Product: 4N 99.99% high purity pseudo boehmite

Basic overview:

Pseudo Boehmite also known as aluminum hydrated and pseudo monohydrate, non-toxic, tasteless, odorless, white colloid (wet) or powder (dry), crystalline phase high purity, good solubility, strong adhesion, high surface area, large pore size, etc., its water state is thixotropic gel.

Production process:

The product is roasted at $400 \sim 700\text{ }^{\circ}\text{C}$ $\gamma\text{-Al}_2\text{O}_3$ is widely used as catalyst support, catalyst and adsorbent; Nano scale can be obtained by calcination at $1100 \sim 1200\text{ }^{\circ}\text{C}$ $\alpha\text{-Al}_2\text{O}_3$ is widely used as coating additives, high-grade ceramics, efficient catalysts for petrochemical industry, submicron / nano grinding and polishing materials, cosmetics fillers and inorganic membrane materials. It is a new type of material with broad development prospects.

Aluminum source:

Pseudo boehmite also is the preferred aluminum source for the synthesis of phosphorus aluminum molecular sieves and heteroatom phosphorus aluminum molecular sieves. For the synthesis of phosphorus aluminum molecular sieves and heteroatom phosphorus aluminum molecular sieves, it is best to add phosphorus source and aluminum source together with the addition of oxygen source. In general, the aluminum atom of aluminum salt is not connected with oxygen atom. If it is used as aluminum source, it is difficult to obtain enough oxygen source, so aluminum salt is not used in general. Considering the requirement of uniform dispersion of the reaction mixture, the added aluminum source should preferably be soluble in weak acid or medium strength acid solution, while aluminum trioxide or aluminum hydroxide is only soluble in strong acid or strong alkali solution, which is not conducive to the dispersion of the reaction mixture and is not suitable for aluminum source. Pseudo boehmite can meet the requirements of oxygen source and reaction mixing and uniform dispersion, and is the preferred aluminum source in the experiment

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Our company pseudo boehmite description: The 4N 99.99% high purity pseudo boehmite produced by alkoxide solution, also known as sb powder, has the characteristics of high purity, low stacking ratio, large pore volume, high specific surface and good gelation. It is mainly used as catalyst carrier, desiccant and adsorbent for processing different shapes; Glass and enamel industry is used as colorant and stabilizer, and it is also a high-quality raw material for ink filler.

Picture:





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Specifications:

4N 99.99% high purity pseudo boehmite			
Type		CX101	CX101A
Al ₂ O ₃ Content	%	≥99.95%	≥99.99%
Phase state		AlOOH	AlOOH
Appearance		White powder	White powder
Na	ppm	≤150	≤10
Fe	ppm	≤100	≤10
Ca	ppm	≤100	≤2
Si	ppm	≤100	≤10
Cu	ppm	≤10	≤2
Mg	ppm	10-30	10-40
pore volume	cm ³ /g	0.9-1.0	0.9-1.0
D ₅₀ (Size)	um	0.2~0.5	0.2~0.5
Apparent Density	g/cm ³	≥220	≥220
Specific Surface Area	m ² /g	---	≤10
Sintered Density	g/cm ³	≤150	

Application: 4N 99.99% high purity pseudo boehmite was widely used in sapphire crystal polishing, transparent ceramics, high-performance ceramics, precision polishing, integrated circuit boards, various layers and other high-end application fields

OEM : We also have other type 4N 99.99% high purity pseudo boehmite, contact with us for OEM