



Shanghai Chenxu Trading Co.,ltd

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

Product	4N 99.99% high purity Boehmite
	4N 99.99% high purity AlOOH

Basic overview:

AlOOH is $\gamma - Al_2O_3$ precursor, with its unique chemical, optical and mechanical properties, has been widely used in the fields of ceramic materials, composites, surface protective layer materials, optical materials, catalysts and carrier materials, semiconductor materials and coatings. Uniform and stable dispersion is one of the important conditions for boehmite to exert its superior properties of nano materials; The boehmite has the characteristics of small size, specific surface and large pore volume.

Structure:

Boehmite belongs to biconical point group in orthorhombic system. It is white crystal. Due to the impurities contained in it, it often has yellow, green, brown or red spots, with glass or pearl luster. The Mohs hardness is 3 to 3.5 and the specific gravity is 3 to 3.07. Boehmite is a positive biaxial crystal.

Effects of various treatments on boehmite structure:

With the increase of hydrolysis temperature, the crystallinity of the product increased significantly, and the specific surface and pore volume decreased significantly; Controlling a certain PH value, increasing the hydrothermal treatment process and increasing the amount of water can significantly improve the dispersion of boehmite sol; Prolonging the hydrothermal time will reduce the specific surface and pore volume of the product. The results showed that the optimum hydrolysis temperature was $85 \sim 90$ °C, the hydrothermal treatment temperature was 200 °C and the treatment time was three hours.

Our company boehmite escription: The 4N 99.99% high purity boehmite produced by our company has high content, less magnetic foreign matters, stable electrical properties, low content of harmful ions, high heat resistance and narrow particle size distribution.

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Specifications:

4N 99.99% high purity boehmite/A100H			
Type		CX102	CX102A
Al ₂ O ₃ Content	%	≥99.95%	≥99.99%
Phase state		γ-A100H	γ-A100H
Appearance		white power	white power
Na	ppm	≤50	≤30
Fe	ppm	≤20	≤20
Ca	ppm	≤10	≤10
Si	ppm	≤20	≤10
Cu	ppm	≤10	≤2
Mg	ppm	≤10	≤2
D50 (Size)	um	0.8-3mm	0.8-3mm
Apparent Density	g/cm ³	0.5~0.8	0.5~0.8
Specific Surface	m ² /g	2~6	2~6

Application: 4N 99.999% high purity Boehmite/A100H was widely used in surface protective layer material, catalytic field, inorganic flame retardant, papermaking filler, lithium battery diaphragm coating and so on

OEM : We also have other type 4N 99.999% high purity Boehmite/A100H, contact with us for OEM