

# Activated

# Alumina &

Activated alumina, Pseudoboehmite & Molecular sieve

# Pseudoboehmite

# & Molecular sieve

**Quality and advanced Technology**



# About XiangRun



## Catalyst & Adsorbent

### Why Choose Xiangrun?

- ▶ Zibo XiangRun Environment Engineering Co., Ltd is a leading adsorbent ,desiccant and catalyst manufacturer in China and world. Our company was established in 2010, located in Zibo, Shandong. We manufacture activated alumina, Potassium permanganate alumina, pseudoboehmite alumina and alumina balls products. And we invest in the biggest molecular sieve factory In China.
- ▶ Our group offers exceptional expertise in the development of technology. XiangRun can blend the perfect bulk mixture to solve your oxygen and moisture control issues. Our products pass ISO9001:2008 and SGS certificate.
- ▶ Over the past years, we have established business relationships with many famous companies worldwide, including the China National Petroleum Cooperation, Sinopec, and the Petrochemical Industry Company. Our products are reliable and highly popular with customers from Germany, Britain, Kuwait, Saudi Arabia, Iran, Syria, Jordan, South Korea, New Zealand, Thailand, Indonesia, the Philippines, and many other countries.

### Products Type

- ▶ \* Activated alumina Desiccant \* Activated alumina for Hydrogen Peroxide \* Activated alumina for sulfur recovery
- ▶ \* Activated alumina catalyst carrier \* Activated alumina ball for defluorination agent
- ▶ \* Activated alumina for removal of chloride \* Activated alumina powder
- ▶ \* Catalyst
- ▶ \* Impregnated activated alumina
- ▶ \* Molecular Sieve 13X \* Molecular 5A \*Molecular 4A \* Molecular 3A \* Molecular sieve powder
- ▶ \* Pseudo boehmite
- ▶ \* Alumina balls



Learn more about desiccant and more alumina products details , please email or call us. Our expert staff are happy to answer any questions you may have – just call us or e-mail us to ask.



## Pseudoboehmite

Pseudoboehmite is material of catalyst, binder, desiccant and catalyst carrier. It used in nitrogen fertilizer, environmental protection, medicine, petrochemical industry, refractory and other industries , which is the most widely used material of catalyst and catalyst carrier.

Pseudo boehmite is Non-toxic, tasteless, odoreless, white colloidal (wet) or powder (dry), high purity, good forming performance, and thixotropic gel characteristics.

### Types

1. Normal Pseudoboehmite
2. Low sodium(Soda) Pseudoboehmite
3. Large pore( Macroporous) Pseudoboehmite



## 1. NH-P-D Normal Pseudoboehmite

NH-P-D pseudoboehmite adopts flash dry. It is highly welcomed in the world. Its surface area and pore volume are the best in China.

### Product Information:

Pseudoboehmite alumina are supplied as loosely agglomerated, easily dispersed, spray-dried powders (about 50 microns mean diameter) possessing high-purity, high surface area and low bulk density. Each Versal alumina particle is built from nominal 30 angstrom (3.0 nm) crystallites through a unique acid-base precipitation process using a proprietary reactor configuration that allows control of density, particle morphology, colloidal dispersibility and thermal conversion processes.

Pseudo boehmite is material of catalyst, binder, desiccant and their carrier. It used in nitrogen fertilizer, environmental protection, medicine, petrochemical industry, refractory and other industries , which is the most widely used material of catalyst and catalyst carrier.

### Characteristics:

- High peptizing ability
- Large surface area and big pore volume

Item	Unit	Technical requirement
Fe <sub>2</sub> O <sub>3</sub>	%	≤0.03
Na <sub>2</sub> O	%	≤0.30
SiO <sub>2</sub>	%	≤0.2
Surface area	m <sup>2</sup> /g	≥260
Pore Volume	ml/g	≥0.34
Dry basis	%	≥65
impurity	%	≤3
Peptizing index	%	≥97

## 2. XR-DF-03-LS Low Sodium Pseudoboehmite

Na<sub>2</sub>O content of pseudoboehmite is below 0.1%. It adopts flash dry. It is highly welcomed in the world.

### Products Introduction:

Pseudoboehmite alumina are supplied as loosely agglomerated, easily dispersed, spray-dried powders (about 50 microns mean diameter) possessing high-purity, high surface area and low bulk density. Each Versal alumina particle is built from nominal 30 angstrom (3.0 nm) crystallites through a unique acid-base precipitation process using a proprietary reactor configuration that allows control of density, particle morphology, colloidal dispersibility and thermal conversion processes.

### Characteristics:

- High peptizing ability
- Large surface area and big pore volume

Item	Unit	Technical requirement
Fe <sub>2</sub> O <sub>3</sub>	%	≤0.03
Na <sub>2</sub> O	%	≤0.1
SiO <sub>2</sub>	%	≤0.2
Surface area	m <sup>2</sup> /g	≥260
Pore Volume	ml/g	0.3-0.5
Dry basis	%	≥70
impurity	%	≤3
Peptizing index	%	≥97

## 3. Large pore volume Pseudoboehmite

The pore volume of our macro porous pseudoboehmite is 0.8-1.2ml/g. It adopts tray dry. It is highly welcomed in the world.

### Products Introduction:

Macro pore volume pseudoboehmite is also called aluminum hydroxide dry glue or macroporous pseudo boehmite, a hydrate alumina, false monohydrate soft diaspore. It can used in different application according to the different production process .We use high purity aluminium hydroxide and ionic membrane alkali as raw materials, after the carbonation to produce series of macroporous peseudo boehmite with different process.

### Characteristics

- High peptizing ability
- Large surface area and big pore volume

Item	Unit	Technical requirement		
		NH-P-DF-1	NH-P-DF-2	NH-P-DF-3
No.				
Fe <sub>2</sub> O <sub>3</sub>	%	≤0.03	≤0.03	≤0.03
Na <sub>2</sub> O	%	≤0.1	≤0.1	≤0.1
SiO <sub>2</sub>	%	1.0-2.0	1.0-2.0	1.0-2.0
Surface area	m <sup>2</sup> /g	≥280	≥300	≥320
Pore Volume	ml/g	0.85-0.95	0.9-1.0	0.9-1.2
Dry basis	%	≥70	≥70	≥70
impurity	%	≤3	≤3	≤3

# Package & Loading



# Thanks a lot for your visit!

We trust our best quality, best service, and competitive price could let our customers believe in us.

You could find us as below information:

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