

**FaRetar Flame Retardant Technology Co., Ltd.**

Office: Building 8, Weifang Yuandu Huizhi Industrial Park No.3999,

Taixiang West Street, Economic Developing Zone,

Weifang, Shandong, China.

Post code: 261031 Tel: + (86) 536 8826089 Fax: + (86) 536 8057018

Email: info@faretar.com Web site: www.faretar.com**FARETAR™ ATH-1****Ultrafine Precipitated Aluminum Hydroxide****Introduction**

FARETAR™ ATH-1 is regular crystal structure products made by specialized process. It has the benefits of high-purity, ultrafine-precipitated, regular crystal shape, low surface activity and small specific surface area, can be widely used in various of processing technology.

General information

Chemical Name	Aluminum Hydroxide
Formula	Al (OH) ₃
CAS Number	21645-51-2
Molecular Weight	78
Appearance	White powder
Specific gravity, g/cm ³	2.42

Characteristics

- Regular crystal shape
- Low surface activity
- Small specific surface area

Application

Aluminum hydroxide powder is usually regarded as an ideal flame retardant for plastics, unsaturated polyester, rubber and other organic polymers because of its filling, flame retardant, smoke elimination and non-toxic

Specification

Item	Unit	Specification
Al(OH) ₃	%	≥ 99.6
SiO ₂	%	≤ 0.02
Na ₂ O	%	≤ 0.3
Fe ₂ O ₃	%	≤ 0.02
Loss on ignition	%	34.5 ± 0.5
pH	/	8.0 - 10.0
Electrical conductivity	us/cm	≤ 150
Moisture	%	≤ 0.3
Whiteness	%	≥ 96
D50	μm	1 - 2
Oil absorption (linseed oil)	mL/100g	≤ 50
Na ₂ O (soluble)	%	≤ 0.03
Specific surface area	m ² /g	3 - 6
Density	g/cm ³	2.4
Refractive index	/	1.58
Sieve analysis (% on 325 mesh)	%	≤ 0.1

*Test method: Q/0783FRT018-2019

Package

20kg/bag, 25kg/bag, paper-polymer outer & PE inner bag

Storage

Store in dry, normal temperature, moisture prevention.