



APHTAB Trade Group

Supplier of aluminum hydroxide

and aluminium oxide (Alumina)

AH101

Aluminum Hydroxide

TECHNICAL DATASHEET

PRODUCT INFORMATION

Aluminum hydroxide is a white powder, widely used as a halogen free flame retardant in combination with plastic, rubber and resin. At temperatures above 180°C it goes through an endothermic reaction and decomposes into water and aluminum oxide.

CHARACTERISTICS

Physical Characteristics	Unit	Typical Value
Particle Size Distribution		
D50	μm	90
<44 μm	%	13
>150 μm	%	15
Loss On Ignition 20°C / 1000°C	%	34.6
Moisture	%	<0.1
Chemical Characteristics	Unit	Typical Value
Al(OH) ₃	%	99.6
Na ₂ O	%	<0.3
CaO	%	0.01
SiO ₂	%	0.01
Fe ₂ O ₃	%	0.01

Valid After: 2021/01

APHTAB, Iran

Tel: +98(21)66907325

Cell: +989125267996

Cell: +989224538003

www.aphtab.com