



Regular Specification

Product Name	Aluminum Hydroxide							
Subject	A-1	A-3	A-5	A-8	A-8L	AH-10H	A-10	A-15
AL(OH) ₃ %	≥99.4	≥99.5	≥99.5	≥99.5	≥99.5	≥99.5	≥99.5	≥99.5
SiO ₂ %	≤0.03	≤0.05	≤0.03	≤0.03	≤0.03	≤0.03	≤0.03	≤0.05
Fe ₂ O ₃ %	≤0.02	≤0.03	≤0.02	≤0.02	≤0.02	≤0.03	≤0.03	≤0.03
Na ₂ O %	≤0.35	≤0.40	≤0.40	≤0.35	≤0.40	≤0.40	≤0.40	≤0.40
L.O.I %	34.5±0.5	34.5±0.5	34.5±0.5	34.5±0.5	34.5±0.5	34.5±0.5	34.5±0.5	34.5±0.5
Moisture %	≤0.35	≤0.50	≤0.50	≤0.30	≤0.35	≤0.30	≤0.35	≤0.35
Particle Size D ₅₀ (μm)	1 ~ 2	3.0 ~ 5.0	5.0~ 7.0	8 ~ 10	6 ~ 9	9~ 12	10 ~ 13	13 ~ 16
Whiteness %	≥96	≥95	≥94	92-94	91-93	≥95	90~92	≥89
Oil Absorption (Castor Oil) ml/100g	≤45	≤40	≤40	≤35	≤30	≤35	≤32	≤30
Product Type	Precipitated Fine ATH (Precipitated Source)	Fine Ground ATH (Mined Source)						

The alumina trihydrate production is based on Bayer process, where the raw material is bauxite. Alumina trihydrate (ATH) is produced in different grades: wet, dried, ground and finely precipitated one.



Ground and finely precipitated hydrates are mainly used as environmentally friendly flame retardant filler materials in the production of:

- cable insulation
- cross-linked elastomers
- PVC/PE/PP Cable Compound
- polyester resins
- epoxy resins
- thermoplastics
- polyurethanes
- paper coating
- cellular glass
- carpet latex
- PVC/NBR Foam
- Industrial Conveyor Belt