

## Novichem Co.

Your Chemical Partner

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## ALUMINIUM SULFATE CAS #: 17927-65-0

### DESCRIPTION

**Aluminium Sulfate** ( $Al_2(SO_4)_3$ ) is used as coagulant to remove almost any kind of impurities in water. Its main function is to provide electrically charged ions capable to neutralize effectively the electric charges of the colloid material present in the water, thus allowing them to come together. The alum reacts rapidly with the water alkalinities. This produces a gelatinous precipitate of aluminum hydroxide that entraps and absorbs impurities.

### TECHNICAL SPECIFICATIONS

Appearance	: White granules and powder
AL <sub>2</sub> O <sub>3</sub>	: Min. 17% (Not less than 16.5%)
Fe as FE <sub>2</sub> O <sub>3</sub>	: Not more than 0.05%
Bulk Density	: 1 – 1.2 g/cm <sup>3</sup>
Insoluble solids	: Not more than 0.3%
pH (5% Solution)	: 3
Molecular-Weight	: 594
Ammonium as NH <sub>3</sub>	: Not more than 0.03%
Packing	: 25 or 50 Kg PE bags

### APPLICATIONS

- For the production of Aluminum salts, Soaps and Aluminum Hydroxide Gel.
- As a Catalyst in Ethane Production.
- Textile industry.
- Paper production.
- For the production of Glycerin
- As a Foaming Agent in Fiber Foams.
- As a Clearing Agent for Fats and Foams.
- In sugar industry.

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