



ZÜMRÜT INTERNATIONAL KİMYA SAN. VE TİC.LTD

## Technical Data Sheet of Aluminum Sulfate for Water Treatment

Property	Specification
Chemical Formula	$Al_2(SO_4)_3$
Molecular Weight	342.15 g/mol
Appearance	White to off-white powder or granular solid
Purity	$\geq 17\% Al_2O_3$ content
pH (1% solution)	3.0 - 3.5
Insoluble Matter	$\leq 0.1\%$
Iron Content (Fe)	$\leq 0.01\%$
Density	2.7 - 2.9 g/cm <sup>3</sup>


### Typical Applications


- **Water Treatment:** Used as a primary coagulant in municipal and industrial water treatment for removing impurities and particulates.
- **Wastewater Treatment:** Helps in removing suspended solids, organic compounds, and phosphate reduction.


### Safety and Handling


- **Personal Protection:** Use gloves, goggles, and a mask when handling.
- **First Aid Measures:** In case of contact, rinse thoroughly with water

**Packing:** 25 kg bags, 50 kg bags, bulk

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