Aluminium Sulphate

CAS No.: 10043-01-3
Formula: $Al_2(SO_4)_3$

PRODUCT DESCRIPTION

Aluminium Sulphate is a white granular or powdered coagulant widely used in water and wastewater treatment, paper production, and various industrial processes. It works by neutralising charges on suspended solids, promoting floc formation, and enabling efficient clarification and separation of impurities.

KEY FEATURES

- High-purity alumina content (≥ 17%) ensuring strong coagulation efficiency
- Low iron content for colour-critical applications
- Excellent solubility and controlled particle size distribution
- Effective pH adjustment and charge-neutralisation capacity
- Suitable for potable water, industrial, and paper manufacturing uses

APPLICATIONS

- Water and wastewater treatment (coagulant / flocculant)
- Paper manufacturing (sizing and retention aid)
- Dyeing and printing auxiliaries
- Leather tanning and hide preparation
- Construction additives and specialty formulations

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Specialty Chemical Experts

LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

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PRODUCT SPECIFICATIONS

PARAMETER	SPECIFICATION
Appearance	Granule or powder
Colour	White
Odour	Weak
pH (1% solution)	3.5
Al_2O_3 Content	≥ 17.00%
Fe_2O_3 Content	≤ 0.003%
Water Insoluble Matter	≤ 0.10%
Arsenic (As)	≤ 14 mg/kg Al
Cadmium (Cd)	≤ 3 mg/kg Al
Chromium (Cr)	≤ 30 mg/kg Al
Mercury (Hg)	≤ 4 mg/kg Al
Nickel (Ni)	≤ 20 mg/kg Al
Lead (Pb)	≤ 40 mg/kg Al
Antimony (Sb)	≤ 20 mg/kg Al
Selenium (Se)	≤ 20 mg/kg Al

PARTICLE SIZE AVAILABILITY

Standard particle sizes (selected to customer requirements):

- 0.5 mm
- 1 mm
- 2 mm
- 2.5 mm

PACKAGING

Available in 25 kg, 50 kg, 1000 kg, and 1250 kg bags. The product is palletised and shrink-wrapped, with custom packaging available upon request.

STORAGE & HANDLING

Store in a cool, dry, well-ventilated area. Keep container tightly sealed to prevent moisture absorption. Avoid contact with bases, chlorates, chlorites, strong oxidising agents, and foodstuffs.

SAFETY

Refer to the current Safety Data Sheet (SDS) for additional information on safe handling, storage and use.