



Aluminium Sulphate

CAS No.: 10043-01-3

Formula: $\text{Al}_2(\text{SO}_4)_3$

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 ($\geq 17\%$) 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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This document is subject to revision without notice as new data becomes available.

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TYPICAL SPECIFICATIONS

Parameter	Specification
Appearance	Granule or powder
Colour	White
Odour	Weak
pH (1 % solution)	3.5
Al ₂ O ₃ content	≥ 17.00 %
Fe ₂ O 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



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PARTICLE SIZE AVAILABILITY

Standard particle sizes (selected to customer requirements):

- 1 mm
- 2 mm
- 2.5 mm

More than 90 % of product meets the specified size range.

PACKAGING

- 25 kg, 50 kg, 1000 kg, and 1250 kg bags
- Palletised and shrink-wrapped
- Custom packaging available upon request.

STORAGE

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 & HANDLING

Use with adequate ventilation and personal protective equipment.

Avoid inhalation of dust and contact with eyes or skin.

Refer to the product Safety Data Sheet (SDS) for full safety and first-aid details.