

Aluminium Sulfate Solution

Product Description:

For water treatment, paper sizing, phosphate control, Aluminium Sulfate is an effective coagulant for binding suspended solids, forming flocs which can be removed by clarification or filtration.

Water treatment: The dosage rate may range from 10 mg/L to 100 mg/L, depending on water quality. Actual dosage should be determined by jar-tests. Maximum dose rate (with a safety factor of 10) based on the revised Drinking-water Standard for NZ (2008) is 100 mg/L of aluminium sulfate or 220mg/L of aluminium sulfate solution as supplied. Dosage should be controlled so that residual aluminium levels does not exceed 0.1 mg/L in the finished water.

Other Names: Aluminium Sulfate solution, Aluminium sulfate liquid, Liquid alum, Profloc AS.

Product Code/s: ALUSUL-B, ALUSUL-1320BBOX, ALUSUL-280, ALUSUL-25FZ

CAS Number: 10043-01-3

Packaging: bulk, IBC, drums

Shelf Life and Storage Requirements: store away from direct sunlight. It is recommended that the product should be consumed within 24 months of manufacture.

Specification:

Parameter	Test Method	Specification
Chemical formula	NA	$\text{Al}_2(\text{SO}_4)_3$
% Al_2O_3 (by weight)	Titration	≥ 8.0
pH of Solution	pH Meter	2.0 – 2.4
Specific Gravity @20°C	Density Meter	1.310 – 1.330

Physical Properties

Properties	Specification
Physical appearance	Pale amber clear liquid
Freezing point	-15 °C approx.

Country of origin: Manufactured in New Zealand

Halal status: Certified

Kosher status: Approved

Regulatory Status: MPI Approved C61