



FERRO-ALUMINIO, C.A.

RIF. J-00100989-2

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Liquid Aluminum Sulfate Type A (SALH-L) is a solution of excellent quality, which has its main use in the manufacture of paper. It is manufactured from a raw material rich in aluminum (iron-free) and sulfuric acid, through a controlled process that guarantees its quality.

GUARANTEED SPECIFICATIONS

Appearance	Transparent liquid/Clear amber
% Al ₂ O ₃	8.0 Min.
% Fe ₂ O	0.03 Max.
% Insoluble	0.02 Max.
% Basicity (free H ₂ SO ₄)	<0.30
Density g/cm ³	1.325 Min.
pH (direct)	1.0 – 2.0

DOSING/DISOLUTION

Liquid Aluminum Sulfate Type A (SALH-L) can be dosed directly from the storage tank. For the manufacture of paper, more dilute solutions are easily prepared due to the high miscibility of the product in water. For transferring and dosing, it is appropriate to use a pump whose parts in contact with the product are made of corrosion-resistant material.

PRESENTATION

It can be delivered in tanks or containers with a capacity of 1000 L.

TECHNICAL DATA

Solubility in Water: Miscible in all proportions.
Boiling T: 101°C
Viscosity (cp): 13.2 at 25°C
9.5 at 40°C

DATA SHEET SALH-L



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METALS OF TOXICOLOGICAL CONCERN

In regard to impurities, the Venezuelan Standard FONDONORMA 1350-2006 establishes the following: "Aluminum sulfate should not contribute more than 10% of the maximum value allowed in the current national health standards for drinking water quality." Thus, for a maximum dose of 150 mg/liter of aluminum sulfate, there are the specifications shown in the following table vs. the typical values of the impurities in the product.

Metal	10% of the Norm (mg/l)*	Typical values (mg/kg)**	Specification***
Antimony	0.0006	<0.02	4
Arsenic	0.001	2.2	7
Barium	0.07	<0.02	467
Beryllium	0.0003	<0.02	3
Cadmium	0.005	<0.02	2
Chromium	0.005	<0.02	33
Copper	2	<0.02	13333
Lead	0.001	<0.02	7
Mercury	0.0001	<0.02	1
Selenium	0.001	<0.02	7
Thallium	0.0002	<0.02	1

* Refers to 10% of the maximum value allowed in drinking water.

** Typical values in SALH-L aluminum sulfate.

*** Maximum value allowed in the product according to the specification of 150 mg/liter.

DATA SHEET SALH-L