



FERRO-ALUMINIO, C.A.

RIF. J-00100989-2

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VERSION: 01

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Liquid Aluminum Sulfate Type A (SALH-LTA) is a solution of excellent quality, manufactured from a raw material rich in aluminum (free of iron) and sulfuric acid, through a controlled process that guarantees its quality. Excellent results are obtained with the **SALH-LTA** when it is used in the clarification of water for human consumption and in the treatment of effluents from industry in general; especially in the removal of phosphorus, when it is in the form of orthophosphate.

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 Al ₂ O ₃)	<0.30
Density g/cm ³	1.325 Min.
pH (direct)	1.8 – 2.4

DOSING/DISOLUTION

Liquid Aluminum Sulfate Type A (SALH-LTA) can be dosed directly from the storage tank. 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-LTA



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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-LTA aluminum sulfate.

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

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