

## Summary Technical Data Sheet

### Aluminum Sulphate 48% Soln

**Product Name:** Aluminum Sulphate 48% Soln

**CAS Number:** 10043-01-3

**Formula:**  $Al_2(SO_4)_3$

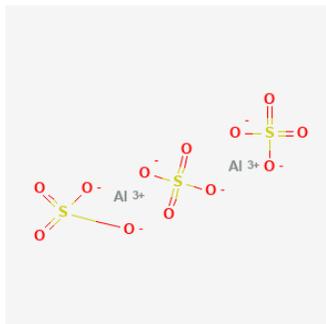
**Molecular weight:** 594 g/mol.

**Specific Gravity:** 1.32 - 1.34

**Product Weight:** 11.0 - 11.2

**pH:** 2.34 - 2.58

**Freezing Point:** -15.56°C



### Product Specifications

Properties	Specifications
% $Al_2O_3$ :	8.0 - 8.4
% Basicity :	0 - 0.4
Insolubles :	0.025%

### Typical Properties

Appearance: clear to amber or light green

Solubility: soluble in water

Aluminum Sulphate 48%, an aqueous solution is principally used as coagulant/flocculant for removal of suspended matter and phosphorus in wastewater treatment and drinking water. In pulp and paper manufacturing it has a number of roles such as retention and drainage aid, charge neutralization, pH control, and improved sizing efficiency. It finds other uses such as fire retardant, foam booster, pH control, dyes, mordant, and printing fabrics. Aluminum sulphate is used as a foaming agent in firefighting foam. It is also still used in the food industry as food additive for firming agent in pickle and relish processing, canned crabmeat, lobsters, salmon, and shrimp by Canada. In the construction industry, it is used as waterproofing agent and accelerator in concrete.

**Storage and Handling:** Store in a dry and cool place and in a tight container, prevent from absorbing moisture. Avoid temperature fluctuations. Keep away from strong oxidants, and strong bases such as; sodium hypochlorite, chlorites, sulfites, aqua ammonia and most common metals with moisture.

**Packaging:** 272 kg drums, 1360 kg totes, 20,000 kg tank wagons.

**Transport Regulations:** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (ALUMINUM SULPHATE) CLASS 8, UN3264, PK III

*The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use of the above mentioned product to determine the suitability of the product. Aqua Bond shall not be, directly or indirectly responsible for damages of any nature whatsoever resulting from the use or reliance upon the above information.*