



ACS 2000

ALUMINUM CHLORHYDRATE SOLUTION PRODUCT SPECIFICATIONS

POTABLE WATER TREATMENT COAGULANT

- * Provides Rapid Solids Settling and Superior Effluent Clarity
- * Easy To Mix and Feed Liquid Product
- * High Activity Level for Effective Low Dosage Performance
- * Reduced Sludge Volume over Conventional Metal Salts
- * Effective over a Wide pH Range
- * Built-In Buffering Reduces Need for Caustic Enhancement In Potable Water Treatment Processes
- * NSF Certified to 250 mg/l

DESCRIPTION: ACS 2000 is a highly cationic charged coagulant. This liquid product provides the user with reliable results in water treatment applications where complete coagulation and settling is essential. When used in conjunction with medium and high molecular weight polymers, the results are synergistic.

SOLUTION PREPARATION: ACS 2000 is completely water-soluble. The recommended procedure for preparation of stock solutions consists of drawing the amount of dilution water required for a batch. Add ACS 2000 while stirring the solution. ACS 2000 may also be fed neat.

SAFETY HANDLING AND STORAGE: Avoid direct contact with skin and eyes. Personnel handling product should wear protective clothing and goggles. Spilled product should be contained and residues flushed with water. Major spills should be pumped into lined metal drums, fiberglass or plastic containers. As with all chemicals, Material Safety Data information should be consulted.

Parameter	Specification
Aluminum (%Al)	12.2 – 12.7
Aluminum Oxide (%Al ₂ O ₃)	23 – 24
Chloride (%Cl)	7.9 – 8.4
Al:Cl Ratio	1.9:1 – 2.1:1
Specific Gravity (@ 20° C)	1.33 – 1.35
Basicity %	75 – 85
pH (15% aq @ 25° C)	4.0 – 4.4
Freezing Point (° C)	20 – 24
Appearance	Clear to Slightly Hazy

PACKAGING: ACS 2000 is packaged in lined 600 lbs drums, 3,000 lbs totes, and in bulk as a liquid product.