

USALCO Acid Alum

Iron-Free Aluminum Sulfate Solution, 7% Free Acid

USALCO Acid Alum is an aqueous solution manufactured by dissolving alumina tri-hydrate (ATH) into water and sulfuric acid. The use of only stringently selected raw materials and state-of-the-art manufacturing practices ensures that USALCO Acid Alum is of the highest quality. USALCO Acid Alum meets the specifications of the American Water Works Association Standard B403-09 and complies with the requirements of NSF/ANSI Standard 60: Drinking Water Treatment Chemicals – Health Effects at a maximum dosage of 150 mg/L.

PROPERTIES

Chemical Formula:	$Al_2(SO_4)_3 \cdot 14H_2O$
Appearance:	Clear to amber or light green liquid.
Specific Gravity @60°F:	1.28 – 1.30
Product Weight::	10.65 – 10.85 Lbs/Gal
pH (neat):	0.50 – 1.20
Freezing Point:	0 – 10°F (-18- -12° C)

SPECIFICATIONS

% Al_2O_3 :	5.8 – 6.2
% Acidity:	6.8 – 8.0
Total Soluble Iron (Fe_2O_3):	50 ppm, max
Dry 17% Alum:	35.3%

*Meets AWWA Standard for Aluminum Sulfate.

PRINCIPAL USES

Drinking water treatment – coagulant / flocculent for the removal of suspended matter

Wastewater treatment – coagulant / flocculent for the removal of suspended matter and phosphorus

Pulp and paper manufacturing – retention and drainage aid, charge neutralization, pH control, improved sizing efficiency

Catalyst manufacturing

SAFETY / HANDLING

Observe caution when handling corrosive materials. Please consult the material safety data sheet (MSDS) for safety and handling precautions.

DELIVERY

55-gallon drums, 330-gallon totes, bulk tank trucks and railcars

Environmentally hazardous substance, liquid, n.o.s., 9, UN3082, PGIII.

PRODUCTION

USALCO has production facilities in:

Fairfield, Ohio
Michigan City, Indiana

CUSTOMER SERVICE

If you have any questions concerning this material, please contact our Inside Sales Department at:

410-918-2230 or **info@usalco.com**