



# ATO PAC

## POLYALUMINUM CHLORIDE COAGULANT

### DESCRIPTION

**ATO PAC** is a high performance liquid polyaluminum chloride coagulant that generally offers superior clarification in either potable or wastewater. The aluminum in **ATO PAC** is highly charged, enabling less of it to do more. Advantages available to many end users are **Reduced Sludge, Minimized pH Adjustment, Longer Filter Runs, Superior Finished Water Quality, and Optimized Cold Water Performance**. **ATO PAC** is especially designed to achieve extremely high levels of turbidity removal.

### PRODUCT SPECIFICATION

Appearance Yellowish Liquid  
Aluminum (Al)  $5.4 \pm 0.3\%$   
 $Al_2O_3$   $10.3 \pm 0.4\%$   
Basicity  $55 \pm 5\%$   
Specific Gravity (25°C)  $1.23 \pm 0.05$

### TYPICAL;

Iron (Fe)  $< 0.01\%$   
pH  $2.6 \pm 0.6$   
Sulfate ( $SO_4$ )  $2.5 \pm 0.7\%$   
Viscosity (25°C)  $10 \pm 5$  cP  
Freezing Point  $-10^\circ C / 14^\circ F$

### CERTIFICATION / APPROVAL

**ATO PAC** meets or exceeds all **AWWA** standards for polyaluminum chlorides and is **NSF/ANSI Standard 60** certified for use in potable water treatment up to 293 mg/l.

### Pulp and Paper (On-Machine Applications)

Polyaluminum Chloride Solution is used extensively in several on machine applications as a:

- Size bonding agent
- Anionic trash scavenger
- Retention and drainage aid
- Pitch and stickies control additive