

AluPAC

Poly Aluminium chloride (PAC)

AluPAC is a high-purity polymerized aluminum coagulant for water treatment applications. It excels in neutralizing colloidal charges, leading to the formation of dense flocs that enhance slurry drainage through sedimentation or flotation.

Key Benefits

- ✓ Ensures water quality with **high purity water**.
- ✓ Demonstrates excellent coagulation, flotation, and sedimentation for **efficient treatment**.
- ✓ Effectively **removes phosphorus** to enhance water quality.
- ✓ Offers **environmental benefits** by minimizing chemical sludge and reducing transportation costs.

Product Specifications

Appearance	Clear light-yellow liquid
Aluminum (Al)	9.0 ± 0.5 wt%
Al ₂ O ₃	17.0 ± 0.9 wt%
Chloride (Cl)	22.0 ± 1.0 wt%
Basicity	40 % ± 2%
Density (20°C)	1.37 ± 0.02 kg/L

Typical Analysis

pH	0 ± 1
Viscosity (20 °C)	55 ± 5 mPas
Freezing Point	-18 °C
Zinc (Zn)	< 1 mg/kg
Other heavy metals	< 0.5 mg/kg

Quality & Standards

- European standard "Chemicals used for treatment of water intended for human consumption" EN 17034:2018
- NSF/ANSI 60: Drinking Water Treatment Chemicals – Health Effects.

Applications

- Drinking water
- Industrial water treatment
- Wastewater treatment
- Pulp & Paper industry

Storage & Safe Handling

To maintain product integrity, storage tanks should be constructed from glass fiber reinforced polyester or PVC. Pumps, hoses, and related equipment must be fabricated from PVC or other materials resistant to acids and chlorides.

Prior to the initial filling with AluPAC, storage tanks and systems must be clean, dry, and securely sealed. Routine yearly inspections are recommended, with cleaning as necessary.

The shelf-life is at least one year when stored under optimal conditions.

Read the Safety Data Sheet (SDS) before using AluPAC.

Disclaimer: This information serves as a guide for product evaluation and does not guarantee performance or suitability for your specific application. It is imperative that the product undergoes testing under representative conditions to determine the optimal dosage and overall performance. For additional information, please do not hesitate to contact Alumichem.

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