AluACH

Aluminium Chlorohydrate (ACH)

Alumichem AluACH is a high-performance coagulant that provides best-in-class clarification for both potable water and industrial wastewater applications. AluACH has a high basicity, enabling it to capture and flock fine particles and color in natural waters at low dosages, producing high quality drinking water. The high efficiency of the coagulate blend results in a reduced consumption, less sludge production, and very low impact on water alkalinity.

Quality & Standards

Aluminium chlorohydrate solutions are produced according to EN 17034 type 1 (Chemicals used for treatment of water intended for human consumption).

Storage & Handling

Storage containers, pumps, piping, etc. should be made of acid and chloride resistant materials. The storage tanks and system should be clean, dry, and tight before the first filling with AluACH to provide good conditions for storage. Storage tanks and system should be inspected yearly, and cleaned, if necessary. The shelf-life is at least one year if the product is stored in optimal conditions.

Safety

Before handling AluACH the information in the Safety Data Sheet should be known, and precautions for safe and appropriate conduct should be followed.

Classifications

CAS No.: 12042-91-0
EC no.: 234-933-1
UN 3264

Product Specification

Appearance	Clear liquid
Aluminum (Al)	12.1 ± 0.3 wt%
Al_2O_3	22.9 ± 0.5 wt%
Chloride (Cl)	8.2 ± 0.3 wt%
Al : Cl ratio	2 : 1 ± 8 %
Basicity	80 ± 3 %
Density (20°C)	1.34 ± 0.03 kg/L
pH (30% w/w in water)	4.0 ± 0.5
Turbidity	< 50 NTU
Freezing Point	-5 °C
Viscosity (20°C)	25 ± 5 mPas

Metals (typical values)

Iron (Fe)	< 50 mg/kg
Lead (Pb)	< 0.03 mg/kg
Cadmium (Cd)	< 0.002 mg/kg
Mercury (Hg)	< 0.001 mg/kg

This information is provided as a guide to evaluate our products and does not guarantee performance or suitability for your intended use. The products must be tested in representative conditions to determine suitability, adequate dosage, and overall performance. Please contact Alumichem for additional information if needed.

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