



CERTIFICATE OF ANALYSIS

Water treatment grade Aluminum Chlorohydrate ACH as flocculant

CAS:12042-91-0 HS NO.: 3824909990 EINECS No.: 234-933-1

CHEMICAL FORMULA: $[Al_2(OH)_nCl_{6-n} \cdot xH_2O]_m$ ($m \leq 10, n=1-5$)

APPLICATION: As flocculant in municipal water, drinking water purification and treatment as well as in urban sewage and industrial waste water, also in paper industry, casting, printing ect.

DESCRIPTION: Inorganic macromolecular compound; colorless, specific gravity is 1.33-1.35g/ml(20℃), its solution shows colorless and transparent liquid; easily dissolved in water, with corrosion.

IDENTIFICATION: The liquid binds HCL from Nitric solution, The solid action AL from HCL solution

Product Name:Aluminum Chlorohydrate (Water treatment grade)	Reference standard:USP-34	Package: 250kg/PE drum、1350kg/IBC、flexible tank
Items	Specifications	Results
Appearance	Colorless and transparent liquid	Colorless and transparent liquid
Alumina(Al ₂ O ₃) %	23-24	23.52
Chlorides(Cl) %	7.9-8.4	8.27
Atomic ratio(Al:Cl)	1.90:1~2.10:1	1.98:1
Basicity %	>82	83
Sulfate (SO ₄ ²⁻) ppm	≤250	Not detected
Iron (Fe) ppm	≤100	<70
Arsenic ppm	≤2	<2
Heavy metals %	≤0.001	<0.001
Specific Gravity g/ml	1.330-1.350	1.336
PH value(30%aqueous) %	4.0-4.4	4.2
Light transmittance(30%aqueous)%	≥90	95
Conclusion: This product conforms to the requirements of USP-34 Specification.		

Remarks: we may make special specification according to your requirements.