



### CERTIFICATE OF ANALYSIS

#### Daily-chem grade as antiperspirant Aluminum Chlorohydrate

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

APPLICATION : Be used as the ingredient for pharmaceuticals, and the special cosmetic in diary chemical industry Drinking water purification and treatment

DESCRIPTION : Inorganic macromolecular compound; colorless, specific gravity is 1.33-1.35kg/ml(22°C),its solution shows colorless or tawny transparent liquid; easily dissolved in water, with corrosion.

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

CAS: 12042-91-0 CAS:1327-41-9 HS NO.: 3824909990

Product Name:Aluminum Chlorohydrate (Daily-chem grade)	Reference standard:USP-34	Package:25kg paper bag
<b>Item</b>	<b>Specifications</b>	<b>Results</b>
Appearance	White powder	White powder
Alumina(Al <sub>2</sub> O <sub>3</sub> ) %	46—48	48.36
Chlorides(Cl) %	15.8—16.8	16.88
Atomic ratio(Al:Cl)	1.90:1~2.10:1	1.99:1
Sulfate (SO <sub>4</sub> <sup>2-</sup> ) ppm	≤500	Not detected
Iron (Fe) ppm	≤150	<150
Arsenic ppm	≤2	<2
Heavy metals %	≤0.002	<0.002
Particle Size 90%pass 500mesh	Confirm	Confirm
PH value(15% aqueous) %	4.0-4.4	4.35
Conclusion: This product conforms to the requirements of USP-34 Specification.		



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



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