



CERTIFICATE OF ANALYSIS

Daily-chem grade Aluminum Chlorohydrate as antiperspirant ACH

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

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

APPLICATION: Cosmetic raw materials, used as the ingredient for pharmaceuticals and antiperspirant, and the special cosmetic in diary chemical industry .

ProductName:Aluminum Chlorohydrate(Daily-chem grade)	Package: 200L barrel、IBC、flexibletank	Reference standard:USP-34
Item	Specifications	Results
Appearance	Colorless and transparent liquid	Colorless and transparent liquid
Alumina(Al ₂ O ₃) %	23-24	23.56
Chlorides(Cl) %	7.9-8.4	8.32
Atomic ratio(Al:Cl)	1.90:1~2.10:1	1.97:1
Basicity %	>82	83
Water Insoluble %	≤0.01	<0.01
Sulfate (SO ₄ ²⁻) ppm	≤250	Not detected
Iron (Fe) ppm	≤75	<75
Heavy metals %	≤0.001	<0.001
Specific Gravity g/ml	1.330-1.350	1.335
PH value(15% aqueous) %	4.0-4.4	4.3
Light transmittance(15%aqueous)%	≥90	94
Conclusion: This product conforms to the requirements of USP-34 Specification.		

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



TEL: +86-21-31037310

EMAIL: sales@twinshanghai.com

FAX: +86-21-61923461

Website: www.twinshanghai.com