

# 宁波雅戈尔国际贸易运输有限公司

NINGBO YOUNGOR INTERNATIONAL TRADE & TRANSPORTATION CO., LTD  
(on behalf of ZHEJIANG CHEMICALS IMPORT AND EXPORT CORPORATION)  
21 FLOOR, NO.666 TIAN TONG SOUTH ROAD, YINZHOU DISTRICT, NINGBO, CHINA

## CERTIFICATE OF ANALYSIS

Product Name: ALUMINUM CHLOROHYDRATE 50%

Quantity: 16000KGS

BATCH NBR:

Manufacture date:

Expiry date:

Item	Specifications	Results
Appearance	Clear to slight hazy liquid	Clear liquid
Alumina( $Al_2O_3$ )	% 23 - 24	23.51
Chlorides(Cl)	% 7.9 - 8.4	8.03
Atomic ratio(Al:Cl)	1.90:1 - 2.10:1	2.04:1
Basicity	% $\geq 82$	84
Sulfate ( $SO_4^{2-}$ )	ppm $\leq 250$	Not detected
Iron (Fe)	ppm $\leq 75$	48
Arsenic(As)	ppm $\leq 2$	
Heavy metals	% $\leq 0.001$	$< 0.001$
Mercury(Hg)	ppm $\leq 0.1$	$< 0.1$
Specific Gravity (20°C)	g/ml 1.330-1.350	1.338
PH value(30% w/w)	% 3.6-4.4	3.9

Conclusion: This product conforms to the requirements of USP-34 Specification.

Conclusion: Conformed

