

CERTIFICATE OF ANALYSIS

Product Name	choline chloride	Cas No	67-48-1
Production Date	20230925	Report date	20230926
Production quantity	5000kg	Expiry Date	20250924
Items	Standard	Testing Result	
Description	White crystal	White crystal	
Content	≥ 98.0	98.0	
Loss on drying	≤ 3.0	2.5	
Total free amino	≤ 0.03	0.01	
Residue on ignition	≤ 0.2	0.2	
As	≤ 2.0	Conform	
Heavy metal (Pb)	≤ 10	Conform	
Conclusion	Qualified, Conform to standard		

Analyst: Wen Qian**Quality Assurance Officer: Zhan Peng**