



JIANGSU KHONOR CHEMICALS CO., LIMITED

CERTIFICATE OF ANALYSIS

NAME	Choline Chloride	QUANTITY	20MT
MFG. DATE	Apr. 15, 2025	BATCH NO.	250415A
EXP. DATE	Apr. 14, 2027	APPLICATION	FOOD

Name of Index	STANDARD	Test result
Appearance	Free-flowing, light brown granular or powder, characteristic odor	Conforms
Identification	Positive for Choline	Conforms
Assay(Choline Chloride) $\geq\%$	70.0	70.84
Loss on Drying $\leq\%$	2.0	0.65
Bulk Density g/mL	0.55 – 0.75	0.64
pH(1% solution)	5.0 – 7.0	6.12
Heavy metals (as Pb) $\leq\text{ppm}$	10	1.8
Arsenic (As) $\leq\text{ppm}$	2	0.12
Cadmium (Cd) $\leq\text{ppm}$	1	0.06
Mercury (Hg) $\leq\text{ppm}$	0.1	0.01
Trimethylamine $\leq\text{ppm}$	300	85
Residue on Ignition $\leq\%$	0.2	0.07
Total Plate Count $\leq\text{CFU/g}$	1000	66
Yeast & Mold $\leq\text{CFU/g}$	100	<10
E. coli	Negative	Negative
Salmonella	Negative	Negative

ANALYST: Xiao Shan

APPROVER: Liang Mu