



JIANGSU KHONOR CHEMICALS CO., LIMITED

CERTIFICATE OF ANALYSIS

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

Name of Index	STANDARD	Test result
Appearance	White to slightly yellowish powder, characteristic odor	Conforms
Identification	Positive for L-Carnitine	Conforms
Assay (on dry basis) $\geq\%$	98.0	98.72
Loss on Drying $\leq\%$	1.0	0.31
Residue on Ignition $\leq\%$	0.1	0.02
pH(10% solution)	6.0 – 8.0	6.92
Heavy metals (as Pb) $\leq\text{ppm}$	10	<1
Arsenic (As) $\leq\text{ppm}$	1	0.05
Cadmium (Cd) $\leq\text{ppm}$	1	0.02
Mercury (Hg) $\leq\text{ppm}$	0.1	0.01
Total Plate Count $\leq \text{CFU/g}$	1000	35
Yeast & Mold $\leq \text{CFU/g}$	100	<10
E. coli	Negative	Negative
Salmonella	Negative	Negative
Bulk Density g/mL	0.35 – 0.55	0.44
Specific Rotation $[\alpha]_{\text{D}^{20}} (^{\circ}\cdot\text{mL}\cdot\text{g}^{-1}\cdot\text{dm}^{-1})$	+20.0 – +22.0	+21.2

ANALYST: Xiao Shan

APPROVER: Liang Mu