



JIANGSU KHONOR CHEMICALS CO., LIMITED

CERTIFICATE OF ANALYSIS

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

Name of Index	STANDARD	Test result
Appearance	L-Carnitine Tartrate	Conforms
Identification	Positive for L-Carnitine and Tartrate	Conforms
Assay(on dry basis) $\geq\%$	97.0	98.62
Specific Rotation $[\alpha]_{D^{20}} (^{\circ}\cdot\text{mL}\cdot\text{g}^{-1}\cdot\text{dm}^{-1})$	-9.5 to -11.0	-10.1
Loss on Drying $\leq\%$	1.0	0.23
Residue on Ignition $\leq\%$	0.5	0.07
pH(10% solution)	3.0 – 4.5	3.78
Heavy metals (as Pb) $\leq\text{ppm}$	10	<1
Arsenic (As) $\leq\text{ppm}$	1	0.09
Cadmium (Cd) $\leq\text{ppm}$	1	0.05
Mercury (Hg) $\leq\text{ppm}$	0.1	0.01
Total Plate Count $\leq\text{CFU/g}$	1000	28
Yeast & Mold $\leq\text{CFU/g}$	100	<10
E. coli	Negative	Negative
Salmonella	Negative	Negative
Bulk Density g/mL	0.40 – 0.60	0.53

ANALYST: Xiao Shan

APPROVER: Liang Mu