

CERTIFICATE OF ANALYSIS
LEVOCARNITINE (L-CARNITINE BASE) USP

BATCH NUMBER	DY0172300164	MANUFACTURE DATE	Apr.6.2023
BATCH SIZE	1000kg	TEST DATE OF APPLICATION	Apr.7.2023
QUANTITY	40Drums	RETEST DATE	Apr.5.2025
Analysis Items		Specifications	Analysis Results
1.	Characteristics	White crystals or crystalline powder, hygroscopic	White crystalline powder, hygroscopic
2.	Identification	IR Absorption: the spectrum obtained with the substance to be examined correspond with the spectrum obtained with the RS. HPLC:Complied	Complied Complied
3.	Acidity or Alkalinity (pH)	5.5 ~ 9.5	7.5
4.	Assay (anhydrous substance)	97.0% ~ 103.0%	99.6%
5.	Water Content	≤4.0%	0.09%
6.	Enantiomeric purity	D-carnitine≤0.2%	0.01%
7.	Potassium	≤0.2%	0.013%
8.	Sodium	≤0.1%	0.0015%
9.	Residue on Ignition	≤0.5%	0.03%
10.	Chloride	≤0.4%	<0.4%
11.	Residue Solvents	Methanol≤0.3% Ethanol≤0.5% Acetone≤0.5%	Not detected 0.0172% 0.0147%