

CERTIFICATE OF ANALYSIS

**LEVOCARNITINE (L-CARNITINE BASE) USP**

<b>BATCH NUMBER</b>		DY0172300421	<b>MANUFACTURE DATE</b>	Dec.29.2023
<b>BATCH SIZE</b>		1000kg	<b>TEST DATE OF APPLICATION</b>	Dec.30.2023
<b>QUANTITY</b>		40Cartons	<b>RETEST DATE</b>	Dec.28.2025
<b>Analysis Items</b>		<b>Specifications</b>		<b>Analysis Results</b>
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	7.7	
4.	Assay (anhydrous substance)	97.0% ~ 103.0%	99.7%	
5.	Water Content	≤4.0%	0.08%	
6.	Enantiomeric purity	D-carnitine≤0.2%	0.02%	
7.	Potassium	≤0.2%	0.0057%	
8.	Sodium	≤0.1%	0.00029%	
9.	Residue on Ignition	≤0.5%	0.04%	
10.	Chloride	≤0.4%	< 0.4%	