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CERTIFICATE OF ANALYSIS

Product Name:	L-Carnitine base	Check foundation	USP40
Batch Number:	20210921	Batch Quantity:	1000KG
Manufacture Date:	2021-09-21	Expiry Date:	2023-09-11

ITEMS	SPECIFICATION	RESULTS
Appearance	White crystalline Powder	Conforms
Identification	IR	Positive
Assay	98% ~102.0%	99.2%
Specific Rotation	-29.0°~ +32.0°	-31.2°
PH	5.5~9.5	7.2
Loss on drying	1.0% Max	0.12%
Residual on Ignition	0.5% Max	0.1%
Residual solvents	0.5% Max	Conforms
Bulk density	0.3-0.6g/ml	Conforms
Tapped density	0.5-0.8g/ml	Conforms
Sodium	0.1% Max	Conforms
Potassium	0.2% Max	Conforms
Heavy metals	10 ppm Max	Conforms
Pb	3ppm Max	Conforms
As	1ppm Max	Conforms
Hg	0.1ppm Max	Conforms
Cd	1ppm Max	Conforms
Total Plate Count	1000 cfu/g Max	Conforms
Yeast & Mold	100 cfu/g Max	Conforms
E-Coli	Negative	Negative
Salmonella	Negative	Negative
Conclusion	Comply with USP40 Standard.	
Storage	Store in cool & dry place, keep away from strong light and heat.	

Shawn	Rick	Whip
Analyst	Approved	Header of QC

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