



上海诺创生物科技有限公司

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## CERTIFICATE OF ANALYSIS

Product Name: L-Carnitine L-Tartrate

Batch Number: 20210926

Batch Quantity: 1000KG

Manufacture Date: 2021-09-26

Expiry Date: 2023-09-11

ITEMS	SPECIFICATION	RESULTS
Appearance	White crystalline Powder	Conforms
Identification	Positive	Positive
Assay	98% ~102.0%	99.2%
L-Carnitine	68.2% ±1.0%	68.1%
L-Tartaric acid	31.8% ±1.0%	31.62%
Specific Rotation	-9.5 ~-11.0 °	-9.8 °
PH	3.0~4.5	3.6
Moisture	0.5% Max	0.12%
Residual on Ignition	0.2% Max	0.02%
Heavy metals	10 ppm Max	Conforms
Lead	3ppm Max	Conforms
Arsenic	1ppm Max	Conforms
Mercury	0.1ppm Max	Conforms
Cadmium	1ppm Max	Conforms
Chloride	4000ppm Max	Conforms
Cyanide	Absent	Conforms
Total plate count	1000cfu/g Max	Conforms
Molds and Yeast	100cfu/g Max	Conforms
E.coli	Negative	Negative
Salmonella	Negative	Negative
<b>Conclusion</b>	Comply with in house standard.	
<b>Storage</b>	Store in cool & dry place, keep away from strong light and heat.	

Shawn  
Analyst

Rick  
Approved

Whip  
Header of QC