



西安子午生物科技有限公司
Xi'an Sonwu Biotech Co.,Ltd.

Certificate of Analysis

Product name	L-Carnitine	Manufacture date	Jan.25.2022
Batch number	SW220125	Analysis date	Jan.26.2022
Batch Quantity	800kg	Expiry date	Jan.26.2024

ANALYSIS	SPECIFICATION	RUSULT
Appearance	White Crystals or Crystalline Powder	White Crystalline Powder
Identification	Chemical	Positive
PH	6.5~7.5	7.43
Loss on Drying	$\leq 0.5\%$	0.26%
Assay	$\geq 99.0\%$	99.88%
Melting Point	197°C~204°C	197.5°C~199.0°C
Residue on Ignition	$\leq 0.07\%$	0.03%
Clarity of Solution	Clear	Conforms
Heavy Metals	$\leq 10\text{ppm}$	Conforms
Arsenic	$\leq 1\text{ppm}$	Conforms
Chloride	$\leq 40\text{ppm}$	Conforms
Sulfate	$\leq 50\text{ppm}$	Conforms
Iron	$< 10\text{ppm}$	Conforms
Ca ²⁺	No opalescence	Conforms
Lead	$\leq 3\text{ppm}$	Conforms
Mercury	$\leq 0.1\text{ppm}$	Conforms
Cadmium	$\leq 1\text{ppm}$	Conforms
Total Plate Count	$\leq 1000\text{cfu/g}$	30cfu/g
Yeast & Mold	$\leq 100\text{cfu/g}$	10cfu/g
E.Coli	Negative	Conforms
Salmonella	Negative	Conforms
Conclusion	Conforming to Enterprise Standard	

Packing description:	Sealed export grade drum & double of sealed plastic bag
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Storage:	Store in cool & dry place not freeze., keep away from strong light and heat
Shelf life:	2 years when properly stored



Quality Assurance Officer

Corrector

Analyst