

# CERTIFICATE OF ANALYSIS

COA-20221224-ING-016-015

NutriStart LLC | Stanton, Michigan | FDA Reg. No. 23041234567

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Ingredient Code:	ING-016
Ingredient Name:	L-Carnitine
Lot Number:	CAR-2021-014-015
Supplier ID:	SUP-014
Manufacturer:	AminoBase GmbH

Manufacturing Date:	2022-11-18
Analysis Date:	2022-12-20
Delivery Date:	2022-12-24
Expiry Date:	2024-08-06
Quantity Delivered:	1044.4 mg

Supplier: AminoBase GmbH | Lützowufer 6-9, 10785 Berlin, Germany | +49 30 555 8801 | qa@aminobase.de

Parameter	Specification	Unit	Result	Status
L-Carnitine purity	≥98.0%	g/100g	Conforms	PASS
Specific rotation	-29° to -32°	°	Conforms	PASS
Heavy metals	≤10 ppm	ppm	1.147	PASS
Loss on drying	≤1.0%	g/100g	Conforms	PASS

## OVERALL DISPOSITION: RELEASED FOR PRODUCTION USE

Analysed by:  
M. Thornton — QC Analyst

Reviewed by:  
Dr. J. Osei — QA Manager

Approved by:  
S. Mehta — VP Regulatory Affairs

Release Date:  
2022-12-24