

# CERTIFICATE OF ANALYSIS

COA-20211201-ING-020-032

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

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Ingredient Code:	ING-020
Ingredient Name:	Choline Chloride
Lot Number:	CHO-2022-014-032
Supplier ID:	SUP-014
Manufacturer:	AminoBase GmbH

Manufacturing Date:	2021-10-19
Analysis Date:	2021-11-21
Delivery Date:	2021-12-01
Expiry Date:	2023-07-01
Quantity Delivered:	253.3 mg

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

Parameter	Specification	Unit	Result	Status
Purity	≥70.0%	g/100g	Conforms	PASS
Moisture	≤3.0%	g/100g	Conforms	PASS
Heavy metals	≤10 ppm	ppm	4.12	PASS
pH (10% solution)	5.5–7.5	–	7.03	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:  
2021-12-01