

CERTIFICATE OF ANALYSIS

COA-20211204-ING-020-033

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

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|------------------|------------------|
| Ingredient Code: | ING-020 |
| Ingredient Name: | Choline Chloride |
| Lot Number: | CHO-2022-014-033 |
| Supplier ID: | SUP-014 |
| Manufacturer: | AminoBase GmbH |

| | |
|---------------------|------------|
| Manufacturing Date: | 2021-11-01 |
| Analysis Date: | 2021-11-25 |
| Delivery Date: | 2021-12-04 |
| Expiry Date: | 2023-07-31 |
| Quantity Delivered: | 992.4 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 | 6.215 | PASS |
| pH (10% solution) | 5.5–7.5 | – | 5.8 | 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:
2021-12-04