



# Bulk Naturals Wholesale LLC

**bulknaturalswholesale.com**

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## R-ALPHA LIPOIC ACID ALA ENZYME THIOCTIC ACID

### CERTIFICATE OF ANALYSIS

LOT: BN202207161/CA

**Manufacture Date:** December 16, 2022

**Expiration Date:** December 15, 2024

**QA Signature:** Steven Konert

Specification	Parameter	Results
Appearance	Light Yellow Crystal Powder	Complies
Identification	Meets the requirements	Complies
Particle size	100% pass 40Mesh	Complies
Melting point:	60°C - 62°C	61.8°C
Specific Rotation	-1.0° to + 1.0°	0°
Loss on drying %:	≤ 0.20%	0.06%
Residue on ignition:	≤ 0.10%	0.03%
Heavy metals	≤ 10ppm	≤ 10ppm
Lead	≤ 3ppm	≤ 3ppm
Cadmium	≤ 1ppm	≤ 1ppm
Mercury	≤ 0.1ppm	≤ 0.1ppm
Single Impurity	≤ 0.1%	0.02%
Total Impurities	≤ 2.0%	0.06%
Residual Solvent	Ethyl Acetate ≤ 0.5% cyclohexane ≤ 0.388% methylbenzene ≤ 0.089%	Negative 0.373% Negative
Total Plate Count	<1000cfu/g	<10cfu/g
Yeast & Mold Plate Count	<100cfu/g	<10cfu/g
E.coli/Salmmonella	Absence/g	Not Detectable
StaphylococcusAureate	Absence/g	Not Detectable
Assay	99.0%~101.0%	99.4%
Conclusion:	Complies the standards	

Shelf life is guaranteed for two years from the date of production if the product is stored in the unopened original container between 15°C - 30°C, protected from light. Containers that have been opened should be tested at least yearly to ensure potency. Although Bulk Naturals Wholesale LLC. believes the above information to be accurate based on the information available to Bulk Naturals, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to using to verify that the product purchased from Bulk Naturals meets their quality requirements and is appropriate for the use to which the product is to be put. The information provided above shall be considered effective only for the lot with which the information is being provided. Use and purchase of this material are subject to Bulk Naturals Wholesale LLC. standard terms and conditions, which supersede any conflicting terms contained on the Buyer's purchase order or any document or instrument supplied by Buyer.