



Bulk Naturals Wholesale LLC

bulknaturalswholesale.com

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R-ALPHA LIPOIC ACID ALA ENZYME THIOCTIC ACID

CERTIFICATE OF ANALYSIS

LOT: BN250419/CA

Manufacture Date: April 19, 2023
Expiration Date: April 18, 2025

QA Signature: Steven Konert

Specification	Parameter	Results
Physical and Chemical Property		
Appearance	Light - yellow crystal powder.	Conforms
Purity	Within 99.0% - 101.0%	99.62%
Identification	IR HPLC	Conforms Conforms
Melting Point	60°C ~ 62°C	61.0 ~ 61.5°C
Optical Rotation	- 1° to + 1°	0°
Related Substances	Max Individual Impurity: NMT 1.0% Total Impurity: NMT 2.0%	0.05% 0.1%
Polymeric Lipoic Acid	NMT 1.0%	Conforms
Residual Solvents	Cyclohexane:NMT 0.388% Ethyl Acetate:NMT 0.5% Toluene:NMT 0.089%	0.156% Not Detected Not Detected
Residue on Ignition	NMT 0.1%	0.04%
Loss on Drying	NMT 0.2%	0.05%
Product Status		
Storage	Store in a cool, dry place away from moisture, and light.	
Conclusion	Sample Qualified.	

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 the Buyer.