



Bulk Naturals Wholesale LLC

bulknaturalswholesale.com

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REDUCED GLUTATHIONE TRIPEPTIDE

CERTIFICATE OF ANALYSIS

LOT: BN231027/CA

Manufacture Date: October 27, 2023

QA Signature: Steven Konert

Expiration Date: October 26, 2025

Specification	Parameter	Result
Appearance	White crystal or white fine powder	White crystalline powder
Identification	There was a positive response	Complies
Solubility	Soluble in water	Complies
Appearance of solution	Clear and colorless	Complies
Specific optical rotation $[\alpha]_D^{20}$	$-15.5^\circ \sim -17.5^\circ$	-16.1°
Related substances	Total $\leq 2.0\%$	0.8%
	GSSG $\leq 1.5\%$	0.46
Assay	$\geq 98.0\%$	99.2%
Loss on Drying	$\leq 0.5\%$	0.37%
Ash	$\leq 0.1\%$	0.06%
Heavy Metal	$\leq 10\text{ppm}$	Complies
Lead (Pb)	$\leq 2\text{ppm}$	Complies
Arsenic (As)	$\leq 1\text{ppm}$	Complies
Cadmium (Cd)	$\leq 0.5\text{ppm}$	Complies
Mercury (Hg)	$\leq 0.1\text{ppm}$	Complies
Ammonium (NH_4)	$\leq 200\text{ppm}$	Complies
Chloride	$\leq 200\text{ppm}$	Complies
Sulphates	$\leq 300\text{ppm}$	Complies
Total Plate Count	$\leq 1000\text{cfu/g}$	$< 100\text{cfu/g}$
Total Yeast and Mold	$\leq 100\text{cfu/g}$	$< 50\text{cfu/g}$
Salmonella	Negative	Negative
E.Coli	Negative	Negative
Staphylococcus	Negative	Negative
Conclusion	Conforms with the specification.	
Storage	Keep the container closed. Keep in cool, dry and dark place; keep from heat and strong light.	

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.