

Ergothioneine 99% Specification Sheet

Public technical specification for buyer documentation review

Source page: <https://www.naturalbestbio.com/ergothioneine-99.html>

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Field	Specification / note
Ingredient name	Ergothioneine 99% (L-ergothioneine)
Synonyms	L-(+)-Ergothioneine; EGT; 2-mercaptohistidine trimethylbetaine; thiolhistidine betaine
CAS number	497-30-3
Machine-readable identifiers	InChIKey SSISHJJTAXXQAX-ZETCQYMHSA-N · PubChem CID 5351619
Molecular formula	C 9 H 15 N 3 O 2 S
Molecular weight	229.30 g/mol
Assay / purity	99% minimum by HPLC, stated on the Certificate of Analysis for each lot.
Source / production route	Microbial fermentation followed by purification. The organism class and route for the supplied lot are stated on the specification sheet; synthetic grades can be quoted separately where a buyer specifies them.
Appearance	White to off-white crystalline powder
Solubility	Soluble in water; sparingly soluble in ethanol. Stable across the pH range used in most beverage and capsule formats, with the thione group giving good oxidative stability relative to thiol antioxidants.
Typical applications	Capsules, tablets, sachets, beauty-from-within beverages and topical cosmetic bases for B2B manufacturing; used at low inclusion levels, commonly alongside NAD+ precursors, glutathione and vitamin C
Documentation	Certificate of Analysis, specification sheet, identity by HPLC, heavy metals, microbiological testing, residual solvents, allergen statement, GMO statement, production-route statement and stability data
Quality system	ISO 22000:2018, FSSC 22000, HACCP and GMP (certificates provided on request)
Supplier	Nutrition BioTech, 1601 W. Mission Blvd, Suite 103 (DL#29), Pomona, CA 91766, United States

Public disclosure note: This public sheet is prepared from the current NaturalBestBio product-page specification block. It is not a batch-specific Certificate of Analysis. Lot-specific COA and supporting records are available for qualified buyer review when appropriate.

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