

Specification

Technical Data Sheet

CAS**497-30-3****STORAGE****-15 to -20 °C****MOLECULAR WEIGHT****229.30****PRODUCT****L-(+)-Ergothioneine****Product number** 90029820**CAS number** 497-30-3**Molecular formula** C₉H₁₅N₃O₂S**Molecular weight** 229.30 g/mol**PARAMETER****SPECIFICATION****Appearance**

White to off white powder

Assay

≥ 99%

Purity

≥ 99%

Heavy metals

≤20 ppm

Identification

The retention time of the sample peak is the same as that of the standard.

Loss on Drying

≤0.40%

Salmonella

Not detected

Specific rotation

≥ +122°

Total plate count

≤1000 cfu/g

Bulk density

0.50 - 0.85 g/ml

Escherichia coli

Not detected

Total Coliforms

≤10 mpn/g

Total Yeast & Mould

≤100 cfu/g

Arsenic (As)

≤0.1 ppm

Lead (Pb)

≤0.1 ppm

PARAMETER	SPECIFICATION
Solvent Residue	Ethanol- $\leq$ 300 ppm
Staphylococcus Aureus	Not detected

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under Molekula Ltd 's quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

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