

Specification

Technical Data Sheet

CAS

616-91-1

STORAGE

2 to 8 &deg;C

MOLECULAR WEIGHT

163.19

PRODUCT

N-Acetyl-L-cysteine, USP grade

Product number	90030441
CAS number	616-91-1
Molecular formula	HSCH ₂ CH(NHCOCH ₃)CO ₂ H
Molecular weight	163.19 g/mol

PARAMETER

SPECIFICATION

Appearance	White to Off-white crystalline powder
Assay	98.0 - 102.0% (dried basis)
Loss on Drying	≤ 1.0%
pH	2.0 to 2.8
Salmonella	Negative
Specific rotation	+21.0 to +27.0°
Total plate count	≤ 1000CFU/g
Bulk density	0.68g/ml
Cadmium (Cd)	≤ 1ppm
Heavy Metals (Pb)	≤ 10ppm
Particle Size	20 Mesh
Pseudomonas	Negative
Residual Solvents	meets USP requirements
Residue on Ignition	≤ 0.5%
Total Coliforms	≤ 10CFU/g
Arsenic trioxide (As ₂ O ₃)	≤ 1ppm

PARAMETER	SPECIFICATION
E. Coli	Negative
Identification (IR)	Conforms to structure
Lead (Pb)	≤ 3ppm
Mercury (Hg)	≤ 0.1ppm
Mould & Yeast	≤ 100CFU/g
Staphylococcus Aureus	Negative

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.

Molekula Ltd would like to thank you for your support of our products and service.

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