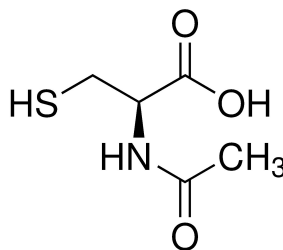


Certificate of Analysis

Product Name : N-Acetyl-L-cysteine BioReagent, suitable for cell culture
Product Number : A9165-BULK
Batch Number : 0000441978
CAS Number : 616-91-1
MDL Number : MFCD00004880
Storage Temperature : +2°C to +8°C
Molecular Formula : C₅H₉NO₃S
Formula Weight : 163.19 g/mol
Quality Release Date : 02 Jun 2025



Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
100 mg/mL, H ₂ O		
Carbon	36.0 - 38.0 %	36.8 %
Nitrogen	8.3 - 8.9 %	8.6 %
Infrared Spectrum	Conforms to Structure	Conforms
Purity (TLC)	≥ 99 %	100 %
Cell Culture Test	Pass	Pass
Endotoxin	≤ 500 EU/g	< 102 EU/g

Jagodige Yasomanee, Supervisor

Quality Assurance

St. Louis, Dekalb

US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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