



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-202232A
Lot Number: SAMPLE
Product Name: N-Acetyl-L-cysteine
CAS Number: 616-91-1
Molecular Formula: $C_5H_9NO_3S$
Molecular Weight: 163.20

Test	Result
Appearance	White crystals or crystalline powder
Purity (Titration)	99.8%
Melting Point	108 - 109 °C
pH	2.2
Residue on Ignition	0.04% (Sulfated)
Optical Rotation ($\alpha_{20/D}$)	23.3°
Transmittance	Transmission: 99.8% (State of solution)
Heavy Metals	< 10 ppm
Loss on Drying	0.15%
Ammonium	< 0.020%
Arsenic	< 1 ppm
Chloride	< 0.040%
Iron	< 10 ppm
Sulfate	< 0.030%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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