



MP Biomedicals, LLC

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Certificate of Analysis

Product: N-Acetyl-L-cysteine, cell culture reagent

Catalog No.: 194603

Formula: $C_5H_9NO_3S$

Purity: 99.6%

Physical Description: White Crystalline Powder

Lot No.: R28079A

Formula Weight: 163.2

Storage: +4°C

Analysis

Infrared Absorption: Conforms

Specific Rotation: +24.0°

pH: 2.6

Loss on Drying: 0.5%

Residue on Ignition: 0.27%

Heavy Metals: 0.0008%

Organic Volatile Impurities: Conforms

Residual Solvents: Conforms

Assay: 99.6%

Particle Size: 20 mesh

Christina Marotta

03/03/2011 - Christina Marotta

MP Biomedicals, LLC

Technical Director