



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product:** 194603

**Catalog No.:** N-Acetyl-L-cysteine; cell culture reagent

**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