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Certificate of Analysis

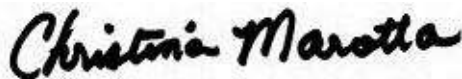
Product Description: N-Acetyl-L-Cysteine
Catalog Number: 100098
Lot: M8737

Formula: C₅H₉NO₃S
CAS #: 616-91-1
Physical Description: White Powder

Formula Weight: 163.2
Storage: +4°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥ 96%	99.7%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	105-115°C	107.9 - 108.5°C
Optical Rotation	+21.0° to +27.0°	+23.05°
Moisture	≤ 1.0%	0.10%
pH (1%aq.)	2.0-2.8	2.32

Residue on ignition: 0.07%
Heavy Metals: <0.001%



02/20/2014 - Christina Marotta
MP Biomedicals, LLC.
Technical Director

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