



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Streptozotocin_
Catalog Number: 100557_
Lot: 2909K_

Formula: C₈H₁₅N₃O₇

CAS #: 18883-66-4

Physical Description: Pale Yellow Powder

Formula Weight: 265.2

Storage: +4°C

Solubility: Soluble in Water

Identification:

-- UV Absorption (0.001% soln): maximum about 228 nm

-- IR: Complies

-- HPLC: Complies

Element Analysis: Carbon, Nitrogen, Hydrogen

Melting Point: 121°C

Optical Rotation (c=1, water): +39°

alpha-Isomer: 86%

Residue on Ignition: 0.02%

Heavy Metals: <20 ppm

Loss on Drying: 0.20%

Related Substances:

-- Single Impurity: 0.1%

-- Total Impurity: 0.2%

Assay (HPLC): 99.6%

02/24/2009 - Robert Beattie

MP Biomedicals, LLC.

Technical Director

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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)