

**MP Biomedicals, LLC**

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530

Fax: 440/337-1180
web: www.mpbio.com

Certificate of Analysis

Product Description: d-Biotin, cell culture reagent

Catalog Number: 194634

Lot: 1937B

Formula: $C_{10}H_{16}N_2O_3S$

CAS #: 22879-79-4

Physical Description: White Crystalline Powder

Formula Weight: 244.3

Storage: +4°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	$\geq 97.5\%$	99.8%
FTIR	Conforms to Standard	Conforms to Standard
Solubility (0.02% aq soln)	Clear Solution	Passes
Reaction (0.02% aq soln)	Very Slightly Acidic to Litmus	Passes
Melting Point	223-233°C	229-232°C
Optical Rotation (c=2, 0.1 N NaOH)	+89 to +93°	+90.9°
Organic Volatile Impurities	Passes Test	Passes Test

Approved - 08/16/99 by Joe Dietz

MP Biomedicals, LLC.

Technical Director

This is an electronically generated document

<mailto:biotech@mpbio.com>

<http://www.mpbio.com>

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

