

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: 4,4'-Azo-bis(4-cyanovaleric Acid).

Catalog Number: 150412.

Lot: 1009H.

Formula: $C_{12}H_{16}N_4O_4$

CAS #: 2638-94-0

Physical Description: Beige Powder

Formula Weight: 280.28

Storage: +4°C, protect from light

Test	Specification	Result
Identity Test	Passes	Passes
Purity	~98%	98.2%

10/24/2003 - Joseph Dietz, Ph.D.

MP Biomedicals, LLC.

Technical Director

This is an electronically generated document

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<http://www.mpbio.com>

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)