

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: 2-Keto-D-gluconic Acid Hemicalcium Salt

Catalog Number: 100365_

Lot: 6438K_

Formula: $C_6H_9O_7 \cdot \frac{1}{2}Ca$

CAS #: 3470-37-9

Physical Description: White Powder

Formula Weight: 213.2

Storage: +4°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	$\geq 98\%$	99.3%
FTIR	Conforms to Standard	Conforms to Standard
Optical Rotation	$-66^\circ \pm 5^\circ$ (c=2, water)	-70.3°

Solubility (5% in water): Clear, colorless liquid

Water (KF): <14%

04/08/2010 - Christina Marotta

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)