



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** Nisin\_  
**Catalog Number:** 155839\_  
**Lot:** Q5755\_

**Formula:** N/A  
**CAS #:** N/A  
**Physical Description:** Light Brown Powder

**Formula Weight:** N/A  
**Storage:** 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
Activity	Report	1178000 IU/g
Nisin Content	~2.5%	2.5%
Source	<i>Lactococcus lactis</i>	<i>Lactococcus lactis</i>
Moisture	≤3.0%	1.67%
pH (10% aq suspension)	3.1 - 3.6	3.25

Heavy metals (as Pb): <10 mg/kg  
- Pb: <1 mg/kg  
- Arsenic: <1 mg/kg  
- Mercury: <1 mg/kg  
Sodium Chloride: >50%  
Aerobic bacterial count: <10 cfu/g  
Coliform bacteria: Absent  
Salmonella: Absent  
Recommended Retest Date: 11/30/2018

12/28/2016 - John Huang, PhD  
MP Biomedicals, LLC.

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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)