



**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

<b>Product Description:</b> Casein Sodium Salt <b>Catalog Number:</b> 902896 <b>Lot:</b> CR220811
---

<b>Formula:</b> N/A <b>CAS #:</b> 9005-46-3 <b>Physical Description:</b> Off-White Powder	<b>Formula Weight:</b> N/A <b>Storage:</b> 15 - 30°C
---	---

Test	Specification	Result
Identity Test	Passes	Passes
pH (1% aq soln)	6.5 - 7.5	6.8
Solubility (1% aq soln)	Cloudy Solution	Cloudy Solution
Loss on Drying	≤6%	5.01%
Ash	≤5%	3.5%
Fat	≤2%	0.5%
Protein	≥92%	96.4% (dry basis)
<i>E. coli</i>	≤10/g	<1 cfu/g
Salmonella/25g	Negative	Negative
<i>Staph. aureus</i>	≤10/g	<10 cfu/g
Coliform	≤10/g	Not Detected

Lactose Monohydrate: 0.12%  
 Total Heavy Metals: <3 ppm  
 Lead: <0.01 ppm  
 Calcium: 0.086%  
 Sodium: 1.21%  
 Aluminum: <1.00 ppm  
 Inhibitory Substances: <0.0025 IU/mL  
 Pesticides: Not Detected  
 Foreign Matter: Not Detected  
 Bulk Density: 0.48 g/mL

Particle Size Retained (250 um): 0.1%  
Aerobic Plate Count: <10 cfu/g  
Yeast and Mold: <10 cfu/g  
Listeria: Not Detected  
Flavor: Typical  
Scorched Particles: A  
Recommended Retest Date (MM/DD/YYYY): 11/10/2023

*Lily Liu*

08/16/2022 - Lily Liu  
MP Biomedicals, LLC.  
QM

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

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