



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

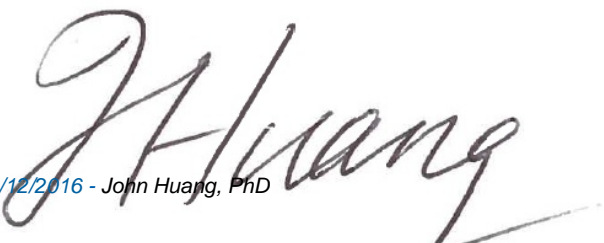
Certificate of Analysis

Product Description: Casein Hydrolysate, Vitamin free, Salt free_
Catalog Number: 104778_
Lot: Q5648_

Formula: N/A CAS #: N/A Physical Description: Cream Colored Powder	Formula Weight: N/A Storage: 15 - 30°C
-----------------------------------------------------------------------------------------------	---------------------------------------------------------

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Reference	Conforms to Reference
pH (2% solution)	6.0 - 7.0	6.11
Water Content	≤3%	2.90%
Color (2% solution)	≥ 55% Light Transmission at 450 nm	0.033 (UV)

Residue on ignition: 0.0%
Sodium Chloride: 0.3%
Enterobacteriaceae: 0 cfu/g
Total Nitrogen (Kjeldahl): 14%
Amino Nitrogen (titr): 11%
AN/TN: 76.1%
Salmonella: Absent
Clarity: 0.15-0.26 NTU
Total Aerobic Microbial Count: 2 cfu/g
Substrate: New Zealand casein
Recommended Retest Date: 05/17/2020


12/12/2016 - John Huang, PhD

MP Biomedicals, LLC.
Quality Control Manager

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)