



**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:** 2535J\_

**Formula:** N/A  
**CAS #:** N/A  
**Physical Description:** Off-white Powder

**Formula Weight:** N/A  
**Storage:** Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Reference	Conforms to Reference
pH (2% autoclaved solution)	6.0 - 7.0	6.4-6.6
Water Content	≤3%	2.2-3.1%
Color (2% solution)	≥ 55% Light Transmission at 450 nm	A = 0.062-.080, therefore %T = 87% - 83%

Ash Content: 0.1%  
Sodium Chloride: 0.7%  
Clarity (2% soln, 2100 AN, NTU): 0.20-0.58  
Enterobacteriaceae: 0 cfu/g  
Total Nitrogen: 13.2%  
Amino nitrogen: 10.3%  
AN/TN: 78.0  
Salmonella: Absent/25 g  
Standard Plate Count: 63 cfu/g  
Odor: Typical

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)