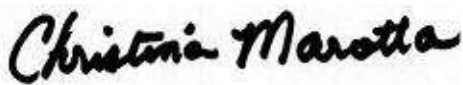


MP Biomedicals, LLC29525 Fountain Parkway
Solon, Ohio 44139Telephone: 440/337-1200
Toll Free: 800/854-0530

Certificate of Analysis

Product Description: Casein Hydrolysate Acid
Catalog Number: 101291
Lot: M3458**Formula:** N/A
CAS #: N/A
Physical Description: Yellow/Cream Powder**Formula Weight:** N/A
Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Source	Bovine	Bovine
Total Nitrogen	~8.2%	7.98
Amino Nitrogen	~6.1%	6.3%
Ash Content	~35%	36.0%
Loss on Drying	≤5%	2-3%
pH (2% aq soln)	5.0 - 7.0	5.4 - 5.9
Chlorides (as NaCl)	~35%	35.3%
Standard Plate Count	≤10,000/g	0.0 cfu/g
Salmonella	Negative	Absent
Coliform	Absent	Absent

Color: 0.050-0.088 @ 420 nm
Enterobacteriaceae: 0.0 cfu/g
Nitrogen, AN TN ratio: 78.802/22/2012 - Christina Marotta
MP Biomedicals, LLC.
Technical DirectorThis 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
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