



**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:** CellMax™ Bovine Transferrin (HOL0), Chromatographically Purified from New Zealand\_  
**Catalog Number:** 152335\_  
**Lot:** QR15957\_

<b>Formula:</b> N/A <b>CAS #:</b> N/A <b>Physical Description:</b> Reddish Lyophilized Powder	<b>Formula Weight:</b> N/A <b>Storage:</b> 2 - 8°C
---	---

Test	Specification	Result
Appearance	Red to Brown Powder	Reddish Lyophilized Powder
Bioburden	#100 cfu/g	10 cfu/g
Endotoxin	#1 EU/mg	<0.125 EU/mg
Iron	#1200 µg/g protein	1400 µg/g protein
Moisture	#5.0% w/w	2.0% w/w (KF)
Mycoplasma	None Detected	None Detected
pH (3% w/v soln)	6.0 - 8.0	7.1
Purity	#95% Transferrin w/w protein	100% w/w total protein
Solubility (1% aq soln)	Dissolves completely in 20 minutes at 20 - 25°C	Passes
Total Protein (anhydrous)	#95% w/w total protein	100% w/w
Virus ( 9 CFR 113.53(c))	None Detected	Not Detected
Source	Bovine Serum	Bovine Serum

Origin: New Zealand  
Date of Manufacture: 03/27/2017  
Recommended Retest Date: 03/26/2019

08/27/2018 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

A large, stylized handwritten signature in black ink, appearing to read "J Huang". The signature is written in a cursive, flowing style with a long, sweeping tail on the letter "g".

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)