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Certificate of Analysis

Product Description: CellMax™ Bovine Transferrin (HOLO), Chromatographically Purified from New Zealand
Catalog Number: 152335
Lot: DS215

Formula: N/A
CAS #: N/A
Physical Description: Red-Brown Powder

Formula Weight: N/A
Storage: 2 - 8°C

Test	Specification	Result
Appearance	Red to Brown Powder	Red-Brown Powder
Bioburden	≤100 cfu/g	<10 cfu/g
Endotoxin	≤1 EU/mg	0.36 EU/mg
Iron	≥1200 µg/g protein	1300 ug/g Protein
Moisture	≤5.0% w/w	3.3% w/w
Mycoplasma	None Detected	None Detected
pH (3% w/v soln)	6.0 - 8.0	6.9
Purity	≥95% Transferrin w/w protein	99% Transferrin w/w Total Protein (SDS-PAGE)
Solubility (1% aq soln)	Dissolves completely in 20 minutes at 20 - 25°C	Complies in <20 Minutes
Total Protein (anhydrous)	≥95% w/w total protein	100% w/w total protein
Virus (9 CFR 113.53(c))	None Detected	None Detected
Source	Bovine Serum	Bovine Serum

Origin: New Zealand
Date of Manufacture: 03/15/2018
Retest Date: 03/14/2021

A handwritten signature in black ink, appearing to read 'J. Huang'.

04/08/2019 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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