

Certificate of Analysis

Product Description: Chlorophyll, Water Soluble
Catalog Number: 210221
Lot: SR01278

Formula: C₃₄H₃₁N₄Na₃CuO₆
CAS #: 11006-34-1
Physical Description: Dark Blue to Black Powder

Formula Weight: 724.16
Storage: 2 - 8°C, protect from light

Test	Specification	Result
Identity Test	Passes	Passes
Water Solubility	Water Soluble	Conforms

Chlorophyllin Content: 95.1%
 E 1%/405 nm (pH7.5): 542
 pH (1% aq soln): 9.80
 Hue Index (405/603 nm): 3.6
 Dry Extract: 99.74%
 Copper: 4.6%
 Ionic copper content: <200 ppm
 Residual Solvents (GC, permitted extraction solvents): 33 ppm
 Dichloromethane: 0 ppm
 Arsenic: <3 ppm
 Lead: <5 ppm
 Iron: 0.049%
 Cadmium: <1 ppm
 Mercury: <1 ppm
 Sodium: 5.9%
 FTIR: Conform
 Not Irradiated
 Total Plate Count: <1000 cfu/g
 Yeast & Molds: <100 cfu/g
 E.coli: Negative/g
 Salmonella: Negative/25g
 Coliforms: <10 cfu/g
 Enterobacteriaceae: <10 cfu/g
 Staphylococcus aureus: Negative/g
 Recommended Retest Date: 12/24/2020



06/26/2019 - 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)