



Certificate of Analysis Lot# V5033

Biovaplex®

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Product Name: **Biovaplex®** SKU: 322
Source: Chicken-Eggshell Membrane Powder
Physical Description: Water soluble, off white powder.
Date of Manufacture: February 2, 2015

Expiration Date: February 2, 2019

| TEST | SPECIFICATION | RESULT | METHOD |
|---------------------|------------------|--------|--------------------------|
| Total Protein | ≥ 85.00% | 87.23 | Combustion |
| Ash | ≤ 10.00% | 5.6 | Residue on Ignition Loss |
| Moisture | ≤ 10.00% | 7.1 | on Drying |
| Water Activity | ≤ 0.3 | 0.198 | Vapor Pressure at 25°C |
| pH | 6.5-7.6 | 6.8 | 10% @ 25°C |
| Aerobic Plate Count | ≤ 10,000 cfu/g* | pass | Total Plate Count |
| Salmonella | negative/25g | pass | PCR |
| Enterobacteriaceae | ≤ 10 cfu/g | pass | Petrifilm |
| Lead | ≤ 10 ppm | 0.02 | AOAC 986.15 |
| Mercury | ≤ 0.1 ppm | 0.010 | AOAC 986.15 |
| Arsenic | ≤ 2 ppm | 0.02 | AOAC 986.15 |
| Cadmium | ≤ 2 ppm | 0.010 | AOAC 986.15 |
| Flourine | ≤ 150 ppm | 5.00 | AOAC 987.08 |
| Solubility | Soluble in water | pass | 10% sol. @ 25°C |

Verified by John H. Beckwith Date 4-29-2019

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*To provide the best and most consistent quality information, Biova utilizes a three tier sampling plan for microbiological testing. These specifications represent the established limits for result criteria. Biova reserves the right to change specifications in the interest of continued quality improvement.