



# Certificate of Analysis

## TRYPTONE

| <u>Catalog #</u> | <u>Size</u> |
|------------------|-------------|
| IB49180          | 500 gm      |
| IB49181          | 1 Kg        |
| IB49182          | 2 Kg        |

**Catalog Number:** IB49180, IB49181, IB49182

**Lot Number:** 19C4014

**Molecular Formula:** n/a

**Molecular Weight:** n/a

**Appearance:** Homogeneous, free flowing powder

**Color:** Beige

| <u>Assay</u>                 | <u>Min</u> | <u>Max</u> | <u>Result</u> |
|------------------------------|------------|------------|---------------|
| Clarity (2% solution)        |            |            | Clear         |
| pH (2% solution)             | 7.0        |            | 7.22          |
| Total Nitrogen               |            | 13.0%      | 12.3%         |
| Ash                          | 6.6%       |            | 6.47%         |
| Amino Nitrogen               |            | 4.4%       | 4.08%         |
| Loss on Drying               |            |            | 4.70%         |
| Standard Plate Count (cfu/g) |            |            | 200           |
| Molds (cfu/g)                |            |            | <100          |
| Coliforms                    |            |            | Negative      |
| E. coli                      |            |            | Negative      |
| Salmonella (cfu/25g)         |            |            | Negative      |

**Growth\***

*Escherichia coli* ATCC 25922

Good

*Staphylococcus aureus* ATCC 25923

Good

**Indole Production\***

*Escherichia coli* ATCC 25922

Positive

\*These results were obtained from type cultures after incubation at a temperature of 35°C and observed after 18-24 hours.

**Storage**

Store at room temperature. Keep tightly sealed. Protect from moisture and light.

*This signature indicates that the above material has met all quality specifications and has been reviewed by a quality representative.*

Signature: Toby Frericks  
Date: 03/21/2019