



# Certificate of Analysis

## YEAST EXTRACT

<u>Catalog #</u>	<u>Size</u>
IB49160	500 g
IB49161	1 Kg
IB49162	5 Kg

**Catalog Number:** IB49160, IB49161, IB49162

**Lot Number:** 18J2015

**Molecular Formula:** n/a

**Molecular Weight:** n/a

**Appearance:** Homogenous, free flowing powder, light beige color

<u>Assay</u>	<u>Min</u>	<u>Max</u>	<u>Actual</u>
Dry Matter			95.1%
Loss on Drying			4.9%
Ash Content (800°C)			14.4%
Total Nitrogen			10.8%
Amino Nitrogen			5.00%
Sodium Chloride			0.24%
pH (2% solution) (In-house testing)			6.89
Bioburden Analysis:			
Standard Plate count			< 10 cfu/g
Molds and Yeast			< 5 cfu/g
<i>Clostridium perfringens</i> spores			< 5 cfu/g
<i>E. coli</i>			0 cfu/g
Pathenogenic <i>Staphylococcus</i>			0 cfu/g
<i>Salmonella</i>			0 cfu/25g
Growth Performance (In-house testing)			
Peptone Agar			PASS
Luria Broth			PASS
Expiration Date			04/2020

### 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: 10/12/2018