



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: 19B3034

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			10.9%
Proteins (Total Nx 6.25)			68.1%
Amino Nitrogen			5.50%
Sodium Chloride			0.22%
pH (2% solution) (In-house testing)			6.88
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			05/2021

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: 02/15/2019