



Certificate of Analysis

BACTERIOLOGICAL AGAR

<u>Catalog #</u>	<u>Size</u>
IB49170	500 gm
IB49171	1 Kg
IB49172	2.5 Kg
IB49173	5 Kg
IB49174	10 Kg

Catalog Number: IB49170, IB49171, IB49172, IB49173, IB49174

Lot Number: 19A3021

Molecular Formula: n/a

Molecular Weight: n/a

Appearance: Granulated powder

Color: Beige

<u>Assay</u>	<u>Min</u>	<u>Max</u>	<u>Actual</u>
Arsenic			<3 ppm
Lead			<5 ppm
Mercury			<1 ppm
Cadmium			<1 ppm
Moisture (loss on drying)			9.2%
Ash			3.7%

<u>Granulometry (ASTM):</u> Oversieve 60 Mesh	>95%
---	------

At a 1.5% solution:

pH @ 20°C (pre-autoclaving)	5.9	7.3
pH @ 20°C (post-autoclaving)	5.9	6.62
Gel Strength @ 20°C (pre-auto)	500g/cm ²	780g/cm ²
Gel Strength @ 20°C (post-auto)	500g/cm ²	790g/cm ²
Colorimetry (ab @ 450nm, pre-auto)		0.123
Colorimetry (ab @ 450nm, post-auto)		0.137
Turbidity, NTU (pre-auto)		4.4
Turbidity, NTU (post-auto)		3.6
Melting Temperature (post-auto)		88.8°C
Gel Point (post-auto)		35.3°C
Total Plate Count (CFU/Gram)	5000	232

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: 01/14/19