



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: 200131-A00005

Molecular Formula: n/a

Molecular Weight: n/a

Appearance: Granulated powder

Color: Cream

| <u>Assay</u> | <u>Min</u> | <u>Max</u> | <u>Actual</u> |
|---------------------------|------------|------------|---------------|
| Arsenic | | | <3 ppm |
| Lead | | | <5 ppm |
| Mercury | | | <1 ppm |
| Cadmium | | | <1 ppm |
| Total Heavy Metals | | | <20 ppm |
| Moisture (loss on drying) | | | 11.0% |
| Ash | | | 3.5% |

| <u>Granulometry (ASTM):</u> | |
|-----------------------------|------|
| Oversieve 60 Mesh | >95% |
| Oversieve 80 Mesh | % |
| Oversieve 100 Mesh | % |
| Oversieve 140 Mesh | % |
| Oversieve 200 Mesh | % |
| Undersieve 200 Mesh | % |

At a 1.5% solution:

| | | |
|-------------------------------------|----------------------|----------------------|
| pH @ 20°C (pre-autoclaving) | 5.9 | 6.7 |
| pH @ 20°C (post-autoclaving) | 5.9 | 6.6 |
| Gel Strength @ 20°C (pre-auto) | 500g/cm ² | 790g/cm ² |
| Gel Strength @ 20°C (post-auto) | 500g/cm ² | 780g/cm ² |
| Colorimetry (ab @ 450nm, pre-auto) | | 0.12 |
| Colorimetry (ab @ 450nm, post-auto) | | 0.15 |
| Turbidity, NTU (pre-auto) | | 5.0 |
| Turbidity, NTU (post-auto) | | 4.5 |
| Melting Temperature (post-auto) | | 88.7°C |
| Gel Point (post-auto) | | 36.7°C |
| Total Plate Count (CFU/Grm) | | <5000 |
| Coliforms | | Absent |

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: K. McCarthy
Date: 01/27/2016