

CERTIFICATE OF ANALYSIS

PRODUCT LP0029B
LAB-LEMCO POWDER (BEEF EXTRACT) 500g

LOT NUMBER 6174028

EXPIRY DATE 2029.10.31

DATE OF MANUFACTURE 2024.09.23

Delivery/Customer information

Date Printed

2025.01.04

Delivery No.

Customer

Customer Order Number

| Physical Characteristics | Results | Specification |
|----------------------------------|--------------|---------------------------|
| Appearance | Straw powder | Straw powder |
| Absorbance @ 450nm | 0.276 | 0.160 - 0.460 |
| pH (25°C) | 7.2 | 7.0 - 7.4 |
| Clarity | Clear | Clear |
| Loss on drying (%) | 4.1 | 0.0 - 7.5 |
| Ash (%) | 10.8 | 0.0 - 15.0 |
| Sodium chloride (%) | 0.5 | 0.0 - 5.0 |
| Formol nitrogen (%) | 3.3 | 2.3 - 3.6 |
| Total nitrogen (%) | 13.6 | 11.5 - 15.6 |
| Total viable count <10,000 cfu/g | Satisfactory | Conforms to specification |
| Spore count <1,000 spores/g | Satisfactory | Conforms to specification |

| Microbiological Performance | Initial Inoculum | Test Result |
|-------------------------------------------------------|------------------|---------------|
| Aerobic incubation at 37°C for 24 hours | | |
| <i>Escherichia coli</i> ATCC®25922 | 46 | Turbid growth |
| <i>Staphylococcus aureus</i> ATCC®9144 | 44 | Turbid growth |
| <i>Enterococcus faecalis</i> ATCC®29212 | 29 | Turbid growth |
| Aerobic incubation at 35 ± 2°C for 72 hours | | |
| Fermentable carbohydrates | | |
| <i>Escherichia coli</i> ATCC®25922 | 1E+04-1E+06 | Negative |
| Aerobic incubation at 35 ± 2°C for 24 hours | | |
| Indole production | | |
| <i>Escherichia coli</i> ATCC®25922 | 1E+04-1E+06 | Positive |
| Aerobic incubation at 35 ± 2°C for 42-48 hours | | |
| Hydrogen sulphide production | | |
| <i>Salmonella enteritidis</i> ATCC®13706 | 1E+04-1E+06 | Positive |
| Aerobic incubation at 37°C for 24 hours | | |
| Acetylmethylcarbinol | | |
| <i>Enterobacter aerogenes</i> ATCC®13048 | 1E+04-1E+06 | Positive |

Control Media: Tryptone Soya Agar

Refer to product specification for full details.

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| | |
|-------------------|---------------------------------------------|
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| | 6174028 |

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Lot Accepted. 2024.09.30

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