

## Certificate of Analysis

### (Representative Sample Certificate)

**Product Name:** Lactobacillus Ferment  
**INCI Name:** Lactobacillus Ferment  
**CAS Number:** 1686112-36-6, 68333-16-4  
**Lot Number:** Not available (data may vary slightly with different lots or batches)  
**Expiration Date:** 12 months from production date

Specifications	Range	Results
Appearance	Clear to Hazy Liquid	Pass
Color	Colorless to Yellow	Pass
Odor	Characteristic	Pass
Solids (1g/1hr/105°C)	6.0 - 10.0%	9.0
pH (Direct)	3.0 - 7.0	5.4
Specific Gravity (25°C)	0.990 - 1.110	1.020
Heavy Metals	< 20 ppm	< 20 ppm
Lead	< 10 ppm	< 10 ppm
Arsenic	< 2 ppm	< 2 ppm
Cadmium	< 1 ppm	< 1 ppm
Bacteriocins (HPLC)	1.00 - 10.00%	3.29
<b>Minimum Inhibitory Concentration Organism (ATCC#)</b>		
E. coli (#8739)	0.25 - 1.00%	Pass
S. aureus (#6538)	0.25 - 1.00%	Pass
P. aeruginosa (#9027)	0.25 - 1.00%	Pass
C. albicans (#10231)	0.25 - 1.00%	Pass
A. brasiliensis (#16404)	0.25 - 1.00%	Pass

DO NOT FREEZE; Store at or near room temperature. Mix well prior to use; May sediment upon standing. Product may change appearance if exposed to cold temperatures during shipment or storage. If this happens, please gently warm to 113 - 122°F (45-50°C) and mix until normal appearance is restored.

“Certified in compliance with the terms of the US-Canada Organic Equivalency Arrangement. The above data was obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.”

This report is not to be signed. All data are as per our supplier.

**Disclaimer:** This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy themselves as to the suitability & completeness of such information for their own particular use.