

CERTIFICATE OF ANALYSIS

Product Name	Lactobionic Acid
Product Code	AL00074
INCI Name	Lactobionic Acid
CAS Number	96-82-2
Lot Number	20250517
Manufacture Date	05/2025
Re-test Date	05/2027

Items	Specification	Results
Appearance	White or almost white crystalline powder	Complies
Identification:IR	Positive	Positive
Identification:TLC	Positive	Positive
Identification:Specific optical rotation (°)	+23 ~ +29	+24.5
Solubility	Freely soluble in water, slightly soluble in glacial acetic acid, anhydrous ethanol and in methanol	Complies
Appearance of solution	The solution is clear and not more intensely coloured than reference solution	Complies
pH (10%)	1.0 - 3.0	2.4
Calcium	≤ 500 [ppm]	< 500
Chloride	≤ 500 [ppm]	< 500
Sulfate	≤ 500 [ppm]	< 500
Iron	≤ 100 [ppm]	< 100
Reducing sugars	≤ 0.2 [%]	< 0.2
Water Content	< 5.0 [%]	< 5.0
Assay	98.0 - 102.0 [%]	100.7
Total Ash	< 0.1 [%]	0.08

Disclaimer: The details provided here are specific to the identified material and may not remain accurate if that material is combined with other substances or used in different processes. The information presented is, to the best of the company's knowledge, considered precise and trustworthy as of the date mentioned. However, the company does not make any explicit or implied assurance, guarantee, or claim regarding the information's precision, trustworthiness, or comprehensiveness, and will not be held accountable for any losses, damages, or costs, whether direct or indirect, that arise from its use. Users are encouraged to independently verify the appropriateness and thoroughness of this information for their specific purposes.

Items	Specification	Results
Endotoxin Level	≤ 10 [EU/g]	< 10
Lead	≤ 10 [mg/kg]	< 10
Arsenic	≤ 2 [mg/kg]	< 2
Mercury	≤ 1 [mg/kg]	< 1
Cadmium	≤ 5 [mg/kg]	< 5
Total plate count	≤ 100 [cfu/g]	Complies
Yeast & mould	≤ 100 [cfu/g]	Complies
Salmonella	Negative	Negative
E.coli	Negative	Negative
Pseudomonas	Negative	Negative

STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight.
 When stored for a period longer than the one specified above, quality should be checked before use.

As it is electronically generated document, hence no signature required