

Certificate of Analysis

Item No.	11003400
CAS No.	96-82-2
Batch No.	20250521
Quantity	1000Kg
Manufacturing Date	2025-05-21
Expiry Date	2027-05-20

SpecKare® LBA (Lactobionic Acid)

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	+24.4
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 (ppm)	≤500	<500
Chloride (ppm)	≤500	<500
Sulfate (ppm)	≤500	<500
Iron (ppm)	≤100	<100
Reducing sugars (%)	≤0.2	<0.2
Water Content (%)	≤5.0	<5.0
Assay (%)	98.0-102.0	100.5
Total Ash (%)	≤0.1	0.07
Endotoxin Level (EU/g)	≤10	<10
Lead (mg/kg)	≤10	<10
Arsenic (mg/kg)	≤2	<2
Mercury (mg/kg)	≤1	<1
Cadmium (mg/kg)	≤5	<5
Total plate count (cfu/g)	≤100	Complies
Yeast & mould (cfu/g)	≤100	Complies
Salmonella	Negative	Negative
E.coli	Negative	Negative
Pseudomonas	Negative	Negative
Conclusion	Conformse	Complies

Inspector: He Liyuan

