

**CERTIFICATE OF ANALYSIS**

Product Name	Lactobionic Acid	Specification	Company Standard
Cas No.	96-82-2	Manufacture Date	2024.6.10
Quantity	500KG	Analysis Date	2024.6.16
Batch No.	ES-240610	Expiry Date	2026.6.9
Items	Specifications		Results
Appearance	White Crystalline Powder		Conforms
Assay	98.0-102.0%		99.05%
Specific optical rotation	+23° to +29°		+24.5°
Loss on drying	≤5%		3.62%
Total Ash	≤0.1%		0.07%
PH	1.0-3.0		2.3
Calcium	≤500ppm		<500ppm
Chloride	≤500ppm		<500ppm
Sulfate	≤500ppm		<500ppm
Iron	≤100ppm		<100ppm
Reducing sugars	≤0.2%		<0.2%
Heavy Metals	≤10.0ppm		Conforms
Total Plate Count	≤1000cfu/g		Conforms
Yeast & Mold	≤100cfu/g		Conforms
E.coli	Negative		Negative
Salmonella	Negative		Negative
Staphylococcus	Negative		Negative
Conclusion	This sample meets the specifications.		

Conclusion: Approved

Tested by: Zhang Xiaoxuan

