

**Qualikems**

Qualikems Lifesciences Pvt. Ltd.

(Formerly known as Qualikems fine chem Pvt Ltd)

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CERTIFICATE OF ANALYSIS

Name of Product	: Lactobionic Acid	CAS No.	: 96-82-2
Molecular Formula	: C ₁₂ H ₂₂ O ₁₂	Molecular Weight	: 358.30 g/mole
Batch No.	: QF2507171	Grade	: AR
Mfg. Date	: July-2025	Retest Date	: June-2030

Sr. No.	Tests	Specification	Observation
1	Appearance	White or almost white crystalline powder	White crystalline powder
2	Melting Point	About 125 °C with decomposition	Complies
3	Specific optical rotation	+23°~ +29°	+25.1°
4	Water content	≤ 5.0%	3.10 %
5	Total Ash	≤ 0.1%	0.04 %
6	PH	1.0~3.0	2.0
7	Calcium	≤ 500 ppm	< 500 ppm
8	Chloride	≤ 500 ppm	< 500 ppm
9	Sulphate	≤ 500 ppm	< 500 ppm
10	Iron	≤ 100 ppm	< 100 ppm
11	Reducing sugars	≤ 0.2 %	< 0.2 %
12	Heavy metals	≤ 10 ppm	< 10 ppm
13	Assay	98.0% ~ 102.0%	99.01 %

Conclusion: Product complies as per above specification.

Note: This document has been produced electronically and it is valid without signature.

Quality of our product tested and reported in the COA are as per the specification and without any prejudice/liability what so ever the end product performance