



Unilong Industry Co., Ltd

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CERTIFICATE OF ANALYSIS

Product	L-Rhamnose monohydrate	Batch No.	JL 20230913-01	Packing size	25KG
Batch Qty	500KG	CAS	10030-85-0	Inspection basis	Q/CZHG 0004S-2021
Date of manufacture	2023/09/13	Test date	2023/09/13	Exp.Date	2026/09/12
Storage Condition		Stored in a clean, cool, dry area, keep away from strong, direct light			
Item No.	Item	Internal control index		Test result	Item conclusion
1	Appearance	White or almost white crystalline, no odor, freely soluble in water, no observable impurities in normal eyesight		Correspond	Qualified
2	L-Rhamnose monohydrate Content/%	≥98.0		99.332	Qualified
3	Loss on drying/%	≤11.0		7.89	Qualified
4	Residue on ignition/%	≤0.1		0.06	Qualified
5	Specific rotation/O	+7.7~+8.9		+8.345	Qualified
6	Identification	The R _F of the principal spot of the sample solution corresponds to that of Standard solution		Correspond	Qualified
7	Chloride(Count in Cl-)/%	≤0.005		Correspond	Qualified
8	Appearance of solution	Solution clarification		Correspond	Qualified
9	Barium/ (mg/kg)	Any opalescence in the sample solution is not more intense than that in the standard solution		Correspond	Qualified
10	Acidity/ml	Consumption of 0.01mol/l sodium hydroxide is not more than 1.5 ml		0.7	Qualified

11	Total Bacteria Count (CFU/g)	≤1000	Negative	Qualified
12	Appearance	White or almost white crystalline , no odor, freely soluble in water, no observable impurities in normal eyesight	Correspond	Qualified
Test Conclusion		Qualified		

Analyst: *Wen Qian*

Quality Assurance Officer: *Zhan Peng*

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