



JIANGSU KHONOR CHEMICALS CO.,LIMITED

CERTIFICATION OF ANALYSIS

NAME	D-Mannose	QUANTITY	2.5MT
MFG. DATE	Mar. 15, 2025	BATCH NO.	YWD20250315-3
EXP. DATE	Mar. 14, 2027	M.F.	C ₃ H ₇ MgO ₆ P
CAS No.	3458-28-4	Application	Food

Index	Specification	Test result
Appearance	White crystalline powder	White crystalline powder
Identification	Pass test	Pass test
Content %	99.0	99.79
Melting point °C	126-134	127.8-130.5
Specific rotation °	+13.3 - +14.3	+13.62
Particle size (through 30 mesh) ≥%	95.0	98.0
Bulk density g/cm ³	0.30-0.50	0.46
Lose on drying ≤%	0.5	0.19
Residue on ignition ≤%	0.1	0.01
Heavy metal ≤ppm	10	<10
Arsenic ≤ppm	1	<1
Cadmium ≤ppm	0.5	<0.5
Lead ≤ppm	1	<1
Mercury ≤ppm	0.1	<0.1
Total Plate Count ≤cfu/g	1000	<1000
Total Yeasts & Molds ≤cfu/g	100	<100
Staphylococcus aureus /10g	Negative	Negative
E. Coli /10g	Negative	Negative
Salmonella /25g	Negative	Negative
Aflatoxin B1 ≤ppb	2	ND(<0.5PPB)
Aflatoxins (B1, B2, G1, G2) ≤ppb	4	ND(<0.5PPB)

Analyst: Bing Liu

Approver: Kai Zhang