

**WELLGREEN TECHNOLOGY CO.,LTD**

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**Certificate of Analysis**

Product Name	D-Mannose		
Manufacture Date:	Jan.20,2018	Expiry Date:	Jan.19,2020
Quantity:	5000kgs	Packaging	25kg/Drum
Items & Specification			
ITEMS	SPECIFICATIONS		RESULTS
Appearance	White crystalline powder		Conforms
Odor	Characteristic		Conforms
Identification	Positive		Conforms
Melting point	126-134℃		128-132℃
Optical Rotation	+13.3° -+14.3°		+13.7°
Particle size	95% through 30 mesh		Conforms
Bulk Density	0.30-0.50g/ml		0.35g/ml
Tapped Density	0.45-0.75g/ml		0.56g/ml
Solubility	Clear and colorless		Conforms
Loss on drying	≤5.0%		0.20%
Residue on ignition	≤0.1%		0.07%
Heavy metals			
Total Heavy metals	≤10ppm		Conforms
As	≤1ppm		Conforms
Pb	≤1ppm		Conforms
Cd	≤0.5ppm		Conforms
Hg	≤0.5ppm		Conforms
Microbiological control			
Total plate count	≤1000cfu/g		Conforms
Yeast & mold	≤100cfu/g		Conforms
Escherichia coli	≤10cfu/g		Conforms
Salmonella	Negative		Negative
S.aureus	Negative		Negative
Staphylococcus aureus	Negative		Negative
Assay	>99.0%		99.74%
Conclusion :Conform to In-house Standard			
Shelf Life: 24 months when properly stored.			
Analyst	Ma Liang	Review	Liu Aiqin
		Supervisor of QC	
		Li Min	

