

XI'AN GREEN SPRINGTECHNOLOGY CO., LTD.

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CERTIFICATE OF ANALYSIS

Product Name: D-Mannose

Description: White crystals or crystalline powder

Identification: Passes all criteria tests

Batch No.: 231125

Manufacturing Date: Nov 26,2023

Expiry Date: Nov 25,2023

Batch quantity: 900kgs

Analysis Date: Nov 29, 2023

| Item | Specification | Results |
|----------------------------|--|--|
| Assay (By HPLC) | ≥99.00% | 99.32% |
| Identity by IR | Correspond to the IR spectrum of reference substance | Correspond to the IR spectrum of reference |
| Melting Point | 126℃-134℃ | 129.3℃-131.5℃ |
| Loss on drying | ≤0.50% | 0.20% |
| Residue on Ignition | ≤0.10% | 0.08% |
| Specific Rotation | +13.3° ~+14.3° | +13.4° |
| Heavy Metals | ≤10ppm | Complies |
| Arsenic (As) | ≤1ppm | Complies |
| Lead (Pb) | ≤1ppm | Complies |
| Cadmium (Cd) | ≤0.5ppm | Complies |
| Mercury (Hg) | ≤0.5ppm | Complies |
| Microbial Test | | |
| Total microbacterial count | ≤1000cfu/g | Complies |
| Total Yeast & Mold | ≤100cfu/g | Complies |
| Salmonella | Negative | Complies |
| Escherichia coli | Negative | Complies |

Storage: Preserve in tight, light-resistant containers at 10°C~30°C. Keep away from strong light and heat.

Packing :25kg/barrel, double plastic-bag inside, fiber drum outside

Shelf: 2 year when properly stored.