

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

## Certificate of Analysis

Date of Testing: 2025-10-31 10:26:20

Date of Next Testing: 2028-10-30 10:26:20

Product Name: **a-D-Mannose-1-phosphate sodium salt**

CAS Number: 99749-54-9

Specifications & Purity: 95%

Lot #: J2516113

SKU #: **Y58230**

Version **0**

**Analysis #:** **600990**

Storage Temperature: Store at -20°C, Argon charged

| Parameter                                                       | Limit Values          | Result                |
|-----------------------------------------------------------------|-----------------------|-----------------------|
| Purity(HPLC area)                                               | 95-100 (%)            | 99.90%                |
| Specific Rotation $[\alpha]_{25/D}(c=1 \text{ in H}_2\text{O})$ | 36-45 (°)             | 38.85°                |
| NMR Spectrum 1H                                                 | Conforms to Structure | Conforms to Structure |
| ICP: Confirms Na component                                      | Confirmed             | Confirmed             |
| 31P NMR spectrum                                                | Conforms to Structure | Conforms to Structure |

Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zou

