

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-19 09:18:26
 Date of Next Testing: 2026-06-18 09:18:26
 Product Name: **a-D-Mannose-1-phosphate sodium salt**
 CAS Number: 99749-54-9
 Specifications & Purity: $\geq 95\%$
 Lot #: F2310861
 SKU #: **A334075**
 Version: **1**
 Analysis #: **221205**
 Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	95-100 (%)	98.10000 %
Specific Rotation $[\alpha]_{25/D}(c=1 \text{ in H}_2\text{O})$	36-45 (°)	37.45000 °
ICP:Confirms Na component	Confirmed	Confirmed
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
31P NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager