

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-07-12 16:10:14
 Date of Next Testing: 2027-07-12 16:10:14
 Product Name: **a-D-Mannose-1-phosphate sodium salt**
 CAS Number: 99749-54-9
 Specifications & Purity: $\geq 95\%$
 Lot #: G2403108
 SKU #: **A334075**
 Version: **1**
 Analysis #: **373285**
 Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	95-100 (%)	99.90000 %
Specific Rotation $[\alpha]_{25/D}(c=1 \text{ in H}_2\text{O})$	36-45 (°)	37.29000 °
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
ICP: Confirms Na component	Confirmed	Confirmed
31P NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager