

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-24 17:59:30
Date of Next Testing: 2025-02-23 17:59:30
Product Name: **1,4:3,6-Dianhydro-D-mannitol**
CAS Number: 641-74-7
Specifications & Purity: $\geq 97.0\%$ (GC)
Lot #: B2314691
SKU #: **I134524**
Analysis: **149336**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=3 \text{ in H}_2\text{O})}$	85-95 ($^{\circ}$)	87.37 $^{\circ}$
Purity(GC)	97-100 (%)	99.70 %
Melting point	84-88 ($^{\circ}\text{C}$)	87.99000 $^{\circ}\text{C}$
Appearance (I134524)	white to yellow powder, crystals, and/or chunks	white to yellow powder, crystals, and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager