

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-08 03:11:43

Date of Next Testing: 2026-03-07 03:11:43

Product Name: **α -D-Glucose**

CAS Number: 492-62-6

Specifications & Purity: $\geq 96\%$

Lot #: C23031265

SKU #: **S170574**

Version: **0**

Analysis #: **166256**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	96-100 (%)	99.36400 %
Water by Karl Fischer	0-1 (%)	0.19460 %
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O}+\text{Base})$	49-55 ($^{\circ}$)	54.90000 $^{\circ}$
Appearance (S170574)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager