

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2021-05-25 11:52:07  
Date of Next Testing: 2025-05-24 11:52:07  
Product Name: **2-Deoxy-D-glucose**  
CAS Number: 154-17-6  
Specifications & Purity: 98%  
Lot #: E2124231  
SKU #: **D109194**  
**Analysis: 002365**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20}^D(c=1 \text{ in H}_2\text{O})$	44-48 (°)	46.69°
Purity(HPLC)	98-100 (%)	99.93400%
Appearance (D109194)	White to Off-White Powder	White to Off-White Powder
Solubility,Colorless to faint yellow,clear(50 mg/mL, H <sub>2</sub> O)	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager