

Certificate of Analysis

Product Name:

D-(+)-Glucose - powder, BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture, ≥99.5%

Product Number: **G7021**Batch Number: **WXBF6244V**

Brand: SIGMA

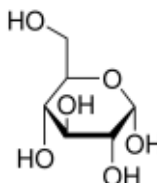
CAS Number: 50-99-7

Formula: C₆H₁₂O₆

Formula Weight: 180.16 g/mol

Quality Release Date: 05 JUN 2025

Recommended Retest Date: MAY 2031



Test	Specification	Result
Appearance (Colour)	White	White
Appearance (Form)	Pow der	Pow der
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
2 g + 15 mL, H ₂ O		
The material may produce a yellowish solution if prepared at a higher concentration than 2 g + 15ml		
Specific Rotation	51 - 55 deg	53 deg
c = 10 in 0.2% NH ₄ OH, 25 deg C		
Purity (GC)	≥ 99.5 %	99.8 %
Cell Culture Test	Pass	Pass
Insect Cell Test	Pass	Pass
Plant Cell Culture Test	Pass	Pass

Kang Chen
Quality Manager
Wuxi , China CN

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

