

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.com

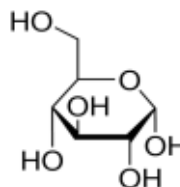
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
D-(+)-Glucose - ACS reagent

Product Number: G5767
CAS Number: 50-99-7
MDL: MFCD00063774
Formula: C₆H₁₂O₆
Formula Weight: 180.16 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Note	-----
ACS Tests	
Specific Rotation	52.5 - 53.0 °
c = 10 in 0.2% NH ₄ OH, at 25 Deg C	
Insoluble matter	≤ 0.005 %
Loss on Drying	≤ 0.2 %
105 Deg C	
Residue after Ignition	≤ 0.02 %
Titrateable Acid	Conforms
< or = 0.002 MEQ/G	
Chloride (Cl)	Conforms
< or = 0.01%	
Sulfate and Sulfite	< = 0.005%
as SO ₄	
Starch	Pass
Heavy Metals	< = 5 ppm
As Lead	
Iron (Fe)	≤ 5 ppm
Recommended Retest Period	-----
6 years	

Specification: PRD.2.ZQ5.1000009295

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.