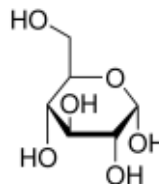


## Product Specification

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

Product Number: **G5767**  
CAS Number: 50-99-7  
Formula: C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>  
Formula Weight: 180,16 g/mol



TEST	Specification
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Appearance (Color)	White
Appearance (Form)	Powder
Specific Rotation c = 10 in 0.2 % Ammonium Hydroxide at 25 °C	52.5 - 53.0 deg
Loss on Drying	≤ 0.2 %
Sulphated Ash	≤ 0.02 %
Insoluble Matter < = 0.005 %	Pass
Iron (Fe) < = 5 ppm	Pass
Miscellaneous Assay Titrable Acid < = 0.002 Meq/G; Sulfate and Sulfite < = 0.005 % (as SO <sub>4</sub> ); Starch	Corresponds to Requirements Pass
Meets ACS Requirements	Corresponds to Requirements
Heavy Metal ICP-OES	≤ 5 ppm
Chloride (Cl)	≤ 0.01 %
Note The Material May Produce a Yellowish Solution if Prepared at a Higher Concentration than 2 g + 15 ml	Corresponds to Requirements

Specification: PRE.2.ZQ5.10000023891

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](http://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.

