



Specification

D-(+)-Glucose Anhydrous USP

Catalog Number: GL1005
CAS Number: 50-99-7
Synonym(s): Dextrose
Molecular Formula: C₆H₁₂O₆
Molecular Weight: 180.16
Storage: 15°C – 30°C
Retest Period: Five years from date of manufacture.

Test	Specification
Appearance	Fine white powder
Identification	Positive
Specific Rotation	+52.6° to +53.2°
Color of Solution	To meet requirements
Acidity or Alkalinity (5g in 0.02M NaOH)	≤ 0.30mL
Moisture	≤ 0.5%
Residue on Ignition	≤ 0.1%
Dextrins	To meet requirements
Soluble Starch and Sulfite	To meet requirements
Chloride	≤ 0.018%
Sulfate	≤ 0.025%
Heavy Metals	≤ 5ppm
Arsenic	≤ 1ppm
Total Plate Count	≤ 1,000cfu/g
Yeast & Mold	≤ 100cfu/g
Coliform	Negative
Endotoxin	≤ 1.25EU/mL

¹ All lots meet the specifications for USP35.

Approved:

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