

Certificate of Analysis

Product Description: D-(+)-Glucose, anhydrous, cell culture reagent

Catalog Number: 194672

Lot: YC11005

Formula : C₆H₁₂O₆

CAS #: 50-99-7

Physical Description: White Fine Powder

Formula Weight: 180.2

Storage: 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Optical Rotation (c=10, Water, NH ₄ OH)	+52.5 ± 5°	+53.0°
Moisture	<0.5%	0.2%

Insoluble Matter: 0.005%

Residue after Ignition: 0.02%

Titrateable Acid: <0.002 meq/g

Chloride: <0.01%

Sulfate and Sulfite (SO₄): <0.005%

Starch: Passes

Heavy Metals (Pb): <5 ppm

Iron: <5 ppm

Recommended Retest Date (MM/DD/YYYY): 11/03/2023

11/02/2022 - Lily Liu

MP Biomedicals, LLC.

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