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Certificate of Analysis

Product Description: D-(+)-Glucose, anhydrous, cell culture reagent
Catalog Number: 194672
Lot: M3997

Formula: $C_6H_{12}O_6$
CAS #: 50-99-7
Physical Description: White Granular Powder

Formula Weight: 180.2
Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Optical Rotation (c=10, Water, NH_4OH)	$+52.5 \pm 5^\circ$	$+53.0^\circ$
Moisture	$\leq 0.5\%$	0.06%

Acidity or Alkalinity: 0.05 ml

Arsenic: <0.25 ppm

Calcium: <50 ppm

Lead: <0.5 ppm

Chlorides: <25 ppm

Sulphates: <25 ppm

Solution: Clear, not more intensley colored than reference solution BY7

Barium: Any opalescence in the solution is not more intense that in the standard

Sulphites: <15 ppm SO_2

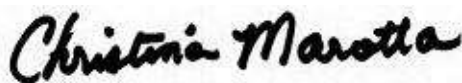
Foreign Sugars, Soluble Starch, Dextrins: Passes

Sulphated Ash: 0.01%

Pyrogens: <0.125 EU/ml

Bacilli: ≤ 10 cfu/gMold: ≤ 10 cfu/g

E. coli: Negative



05/03/2012 - Christina Marotta
MP Biomedicals, LLC.
Technical Director

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