



Certificate of Analysis

Product	54676 - Dextrose for cell culture - [50-99-7]
Batch No	4995565
Analysis Date	10-Jan-2022
Date of Manufacture	January 2022
Expiry Date/Re-Test Date	January 2027
Molecular Formula	C6H12O6
Molecular Weight	180.16

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
pH (10% aq. solution)	min. 5.0	5.6
Specific rotation [α]	+52.5° to + 53.0° (C=10, Water)	+52.933°
Water Insoluble matter	max. 0.005%	Passes
Loss on drying	max. 0.2%	0.2%
Sulphated Ash	max. 0.02%	0.01%
Chloride (Cl)	max.0.0025%	Passes
Iron (Fe)	max. 0.0001%	Passes
Heavy Metals (Pb)	max. 0.0001%	Passes
Starch	Passes test	Passes
Sulphate & sulphite (SO4)	max.0.005%	Passes
Acidity	max. 0.002 meq/g	0.001meq/g
Suitability for Cell Culture	Passes	Passes
Bacterial Endotoxin Test (BET) (EU/mg = IU/mg)	<0.05 EU/mg	Passes