

1317 – Dextrose (Mono) AR GRADE

REF NO: TBL/QA/SS/LC/1317	STANDARD SPECIFICATION FOR DEXTROSE (MONO) AR GRADE	Rev. No: 03
Issue No: 04		Review Date: 29/10/2024
Issue Date: 30/10/2021		Product code: 1317

PRODUCT PROPERTIES

C.A.S Number	5996-10-1
Chemical Formula	C ₆ H ₁₂ O ₆ .H ₂ O
Formula weight	198.17
Functional Uses	D-(+)-Glucose has been used for culturing of mammalian cells and and It used to perform glucose tolerance test in mice.
Standard Packaging	500gm, 5kg & 25kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder, sweet in taste
Solubility	Freely soluble in water.
Clarity	Clear solution.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Specific Optical Rotation (at 25°C)	+52.0 to +53.50
Heavy Metals	NMT- 5ppm
Sulphate Ash	NMT- 0.2%
Chloride (Cl)	NMT-125ppm
Acidity & Alkalinity (0.1M NaOH)	NMT-0.15ml
Arsenic	NMT- 2ppm
Sulphate (SO ₄)	NMT- 200ppm
Moisture	NMT- 9.50%
Assay	NLT- 99.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

