

Dextrose (D-Glucose) (TBS5100)

Catalog	Unit Size
TBS5100-100	100 G
TBS5100-500	500 G

DESCRIPTION

Dextrose (D-Glucose), as the naturally occurring D-isomer of glucose, serves as a primary energy source for living cells and is widely used as an analytical reagent, microbiological nutrient, and component of biochemical and pharmaceutical formulations.

SYNONYM

2r,3s,4r,5r-2,3,4,5,6-pentahydroxyhexanal, d +-glucose, aldehydo-d-glucose, glucose, anhydrous, dextrose, anhydrous, d-glucose, anhydrous, glucosteril, anhydrous dextrose, dextrose solution, d-glucose in linear form

PROPERTIES

Appearance: powder

Chemical Name: D-Glucose, Anhydrous

CAS Number: 50-99-7

Molecular Formula: $C_6H_{12}O_6$

Molecular Weight: 180.16 g/mol

pH (aqueous): Approximately 5.9

Solubility: Freely soluble in water; insoluble matter $\leq 0.005\%$

Storage: Store tightly sealed in a cool, dry place away from moisture.

This product is for research use only.