



## TECHNICAL DATA SHEET

# DEXTROSE (GLUCOSE) ANHYDROUS PURIFIED LR

## D-(+)-Glucose

Article No.	507120500	Molecular Formula	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>
H.S. Code	1702.3051	Molecular Weight	180.16
CAS No.	50-99-7		

## Physical Properties

Physical state at 20 °C	Solid
Colour	Colorless crystals
Odour	Odorless
pH value	5.9
Melting point [°C]	146°C
Density [g/cm <sup>3</sup> ]	1.54
Solubility in water [% weight]	1 g/1.1 ml water @ 250C

## Specifications

Specific rotation (Anhydrous substance) +52.5 to +53.3 °

Specific rotation +52.6 to +53.2 °

Acidity or alkalinity To comply IP, BP, USP test

Sulphite Max 0.0015 % (Passes IP test)

Heavy metal (as Pb) Max 0.0005 %

Lead (Pb) Max 0.00005 %

Loss on drying (1 g, 105 °C, 16h) Max 0.5 %

Foreign sugars, soluble starch, dextrans Max 1 %

Appearance White to almost white crystalline powder