



## TECHNICAL DATA SHEET

# D(-) MANNITOL AR

### Mannite

Article No.	513130500	Molecular Formula	C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>
H.S. Code	2905.4300	Molecular Weight	182.17
CAS No.	69-65-8		

## Physical Properties

Physical state at 20 °C	Solid
Colour	White crystalline
Odour	Odorless
pH value	5 - 6.5 at 182 g/l at 25 °C
Melting point [°C]	167 - 170 °C
Solubility in water [% weight]	182 g/l at 20 °C - completely soluble

## Specifications

Assay Min 99%  
Melting point 165-169°C  
Specific optical rotation 23 to 25°  
Loss on drying (at 105°C) Max 0.05%  
Insoluble matter Max 0.01%  
Acidity (as CHCOOH) Max 0.005%  
Sulfated ash Max 0.02%  
Chloride (Cl) Max 0.001%  
Sulfate (SO<sub>4</sub>) Max 0.005%  
Arsenic (As) Max 0.0001%  
Calcium (Ca) Max 0.001%  
Copper (Cu) Max 0.0005%  
Iron (Fe) Max 0.0005%  
Lead (Pb) Max 0.0005%  
Reducing sugars (as glucose) Max 0.05%  
Substance darkened by H<sub>2</sub>SO<sub>4</sub> Passes test  
D (-) Sorbite (GC) Max 1%