

SPECIFICATION SHEET

PRODUCT DETAILS

D-MANNITOL 99% AR

CAS No.	69-65-8
Molecular Formula	C ₆ H ₁₄ O ₆
Molecular Weight	182.17
Product Code	710106G500
Grade	AR
Specification no.	S/0106/71/R1
Effective date	01/05/2026.
Review date	30/04/2031.

TEST

SPECIFICATION

Description	White crystalline powder
Assay	Min 99%
Melting point	165 - 169° C
Specific optical rotation ([α] _{20/D})	+23° to +25°
Loss on drying (at 105°C)	Max 0.3%
Insoluble matter	Max 0.01%
Acidity (as CH ₃ COOH)	Max 0.005%
Sulphated ash	Max 0.02%
Chloride (Cl)	Max 0.005%
Sulphate (SO ₄)	Max 0.01%
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 ₂ SO ₄	Passes test