

D-Mannitol, Hi-AR™/ACS

GRM570

Product Identifier

CAS No.	:	69-65-8
EC No.	:	200-711-8
Molecular Formula	:	C ₆ H ₁₄ O ₆
Molecular Weight	:	182.17
HS Code	:	2905 43 00
Storage	:	Below 30°C
Shelf life	:	4 years

Technical Specification

Appearance	:	White to off-white crystals or powder or solid or free-flowing granules
Solubility	:	100 mg soluble in 1 mL of water
Clarity	:	10% w/v solution in boiling water is yellowish and clear.
FTIR	:	Matches with the standard pattern.
Specific rotation	:	+23.3° to +24.3° (c = 10% in sodium borate solution at 25°C)
Melting range	:	165 - 170°C
Lead (Pb)	:	<= 0.0005%
Water insoluble matter	:	<= 0.01%
Reducing sugar (C ₆ H ₁₂ O ₆)	:	Passes test
Acidity (as CH ₃ COOH)	:	<=0.005%
Loss on drying (at 105°C, 4 hr)	:	<= 0.50%
Residue after ignition	:	<= 0.01%
Assay (GC/HPLC)	:	99.50 - 102.00%

Safety Information

UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	OP2060000
WGK	:	1