
D-Mannitol, Hi-Cert™

GRM9914

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
FTIR	:	Matches with the standard pattern
Specific rotation	:	+23.00° to +25.00° (c = 2g sample + 2.6 g of disodium tetraborate + 20mL of water, shake for 15-30 min., dilute the solution to 25 mL with water at 20 ± 0.5°C, dried substance)
Melting range	:	165 - 170°C
Chloride (Cl)	:	<=0.005%
Arsenic (As)	:	<= 0.0002%
Residue after ignition	:	<= 0.01%
Sulfate (SO ₄)	:	<= 0.01%
Loss on drying (at 105°C, 4 hr)	:	<= 0.50%
Assay (GC/HPLC)	:	99.50 - 102.00%

Safety Information

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