

PRODUCT SPECIFICATION

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Catalog : M1128

Mannitol, BiotechGrade

CAS# : 69-65-8

Formula : C6H14O6

Formula Weight : 182.17

Test

**Limit
Min. Max.**

Test	Limit Min. Max.
APPEARANCE	FINE, WHITE, CRYSTALLINE POWDER
ASSAY (C ₆ H ₁₄ O ₆)	96.0- 101.5 %
APPEARANCE OF SOLUTION (2 g IN 20 ml)	CLEAR & COLORLESS
MELTING RANGE	164 - 169 C
SPECIFIC ROTATION [α] _D	+137 TO+145
ACIDITY / ALKALINITY	- TO PASS TEST
LOSS ON DRYING @ 105 C	-- 0.3 %
RESIDUE ON IGNITION	-- 0.1 %
CHLORIDE (Cl)	-- 50 PPM
SULFATE	-- 0.01 %
ARSENIC (As)	-- 1 PPM
LEAD (Pb)	-- 0.5 PPM
REDUCING SUGARS	--TO PASS TEST
ENDOTOXIN BY LAL	--AS REPORTED
IDENTIFICATION	--TO PASS TEST