



Bio Basic Inc.

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CERTIFICATE OF ANALYSIS

Product	D-Mannitol
Grade	Ultra Pure
Product Code	MB0335
Formula	$C_6H_{14}O_6$
MW	182.2
CAS#	69-65-8
Lot No	

Test Items	Specifications	Results
Appearance	White crystalline powder	
Appearance of Solution	Clear, colorless solution	
Melting Point	165-170°C	
Cation	Nickel: ≤ 1 ppm	
Conductivity	≤ 20 us/cm	
Yeast and Mold	≤ 100 cfu/g(TYMC)	
Infrared Spectrum	Conforms to structure	
Reducing Sugars	$\leq 0.1\%$	
Loss on Dry	$\leq 0.5\%$	
Residual Solvents	Not Detected	
Bacterial Endotoxins	≤ 2.5 IU/g	
E. Coli	Negative	
Microbial Count	≤ 1000 cfu/g(TYMC)	
Related Substances	Sorbitol: $\leq 2.0\%$ Maltitol and Isomalt: $\leq 2.0\%$ Unspecified impurities: $\leq 0.10\%$ Total impurities: $\leq 2.0\%$	
Assay	97 – 102%	

Storage: 18~25°C.

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