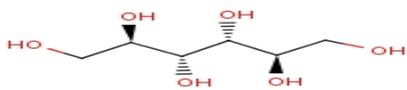




HANGZHOU DINGYAN CHEM CO., LTD  
Tel:86-571-87157530 Fax:86-571-87156470  
Email:sales@dingyanchem.com

## CERTIFICATE OF ANALYSIS

NO: DYC021311041

Product name	Mannitol, BP2007
CAS Number	69-65-8
Molecule Structure	
Molecule Formula	C6H14O6
Batch number	H361210023
Manuf. Date&Exp. Date	2013-06-06, 2016-06-05
Testing date	2013-06-06

Items	Result
Appearance	A white or almost white powder or free-flowing granules
Solubility	Slightly in alcohol, easily in water
Identification	See below of attachment
Conductivity	Not more than $20 \mu S \cdot cm^{-1}$
Clarity	<1# CLARITY SOLUTION
Color of solution	Clear and colorless
Particle size	100%<150MICRONS
Microbial count total	50cfu/g max
Pathogens	Negative
Lead	0.04 mg/kg max
Assay	99.76%
Melting point	168.80°C
Nickel	0.1mg/kg max
Alkalinity	0.3ml max
Acidity	0.2 ml max
Loss on drying	0.026%
Sulphated ash	0.021%
Specific rotation	23.8°
Sorbitol	Negative
Conclusion	Complies with standard of BP2007



HANGZHOU DINGYAN CHEM CO., LTD  
Tel:86-571-87157530 Fax:86-571-87156470  
Email:sales@dingyanchem.com

---

Identification: (NOTE: First identification A. Second identification B, C, D. )

A The IR spectrum of the sample is comparable with that obtained with mannitol CRS.

B 165° to 170° C

C The principal spot in the chromatogram obtained with the Test Solution is similar in position, color, and size to the principal spot in the chromatogram obtained with the Reference Solution.

D +23° to +25°

imp. A, B: 2%max 1.1%

imp. C: 2% max 0.7%

unspecified imp.: 0.10% max 0.07%

total impurities: 2% max 1.87%

HAIQIANG CHEMICALS CO.LTD  
QUALITY CONTROL:  
QUALITY CONTROL DEP.

CHECK:姚仙娟

INSPECTOR: 刘清风