Z & F SUNGOLD CORPORATION

3-1001 BUILDING 22,DONGSHENG GARDEN,NO.10 LIAOYANG EAST ROAD,QINGDAO,CHINA

SPECIFICATION OF MANNITOL

Commodity Name: Mannitol
CAS No.:【69-65-8】
H.S. Code: 29054300
Molecular Weight: 182.17
Molecular Formula: C6H14O6
Description: white crystal powder,smell-less,sweet taste
Specification: USP30, BP2008

Item	CP	BP	USP
Apperance	White crystalline powder, odourless, sweet	White or light white crystalline powder or particles can flow	White crystalline powder
content	98.0～102.0	98.0～102.0	96.0～101.5
Melting point	166～170	165～170	164～169
Specific rotation	+137～+145	+23～+25	+137～+145
identity	Up to specification	Up to specification	Infrared Absorption(197k)
acidity	Up to specification	/	Up to specification
Clarity and color	Clear colorless	Clear colorless	/
related substance	Up to specification	Up to specification	/
revertose	Up to specification	≤0.2%	Up to specification
Chloride %	≤0.003	/	≤0.007
sulphate %	≤0.01	/	≤0.01
carbonite %	≥0.02	/	/
Loss on drying %	≤0.5	≤0.5	≤0.3
residue on ignition%	≤0.1	/	/
Heavy Metal%	≤0.00001	/	/
arsenic salt %	≤0.0002	/	≤1ppm
nickel ppm	/	≤1	/
Pb ppm	/	≤0.5	/
bacterial endotoxin IU/g	/	Up to specification	/

Packing and Transportation: 25kg/polywoven bag or paper bag with pe inner

Usage: (1)In pharmaceutical industry :Mannitol as injection material,mannitol Intravenous infusion can be used for depressing icranial cavity pressure and intraocul- ar pressure and as diuretic.It is widely used in the clinical practice.Mannitol also has the function of preventing hypertension,arteriosclerosis and meningitis etc.Additionally,it has a certain effect in excipient or filler for tablets and healthy foods raw material. In microbiology,mannitol is a good culture media for some microbes.

(2)In the sythetic-chemical industry :Mannitol is one of the important raw materials in producing fatty acid ester,ma- nnitol polyther and rigid mannitolester.

Storage: Kept in a light-proof,well-closed,dry and cool place.