

Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs 5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146 www.gojirafc.com • sales@gojirafc.com

Certificate of Analysis

D-Mannitol USP/EP

Catalog Number:	MN1001
Lot Number:	0625802
CAS Number:	69-65-8
Synonym(s):	Mannite
Molecular Formula:	$C_6H_{14}O_6$
Molecular Weight:	182.17
Storage:	15°C – 30°C
Date of Manufacture:	March 20, 2018
Retest Date:	March 19, 2020

Test	Specification	Result
Appearance	White crystalline powder	Conforms
Assay (HPLC)	97.0 – 102.0%	99.9%
Identification		
A: Specific Rotation	+23.0° to +25.0°	23.4°
B: Melting Point	165°C - 170°C	166.0°C − 168.0°C
C: FTIR	To match reference spectra	Conforms
D: TLC	To match standard	Conforms
Appearance of Solution	Clear & colorless	Conforms
Particle Size	90% thru 80mesh	Conforms
Conductivity	≤ 20µS/cm	1.9µS/cm
Moisture (LOD)	≤ 0.5%	0.1%
Reducing Sugars	≤ 0.1%	< 0.1%
Related Substances		
Sorbitol	≤ 2.0%	< 2.0%
Maltitol	≤ 2.0%	< 2.0%
Isomalt	≤ 2.0%	< 2.0%
Unspecified Impurities	≤ 0.1%	< 0.1%
Total Impurities	≤ 2.0%	< 2.0%
Lead	≤ 0.5ppm	< 0.5ppm
Nickel	≤ 1ppm	< 1ppm
Aerobic Microbial Count	≤ 100CFU/g	10CFU/g
Yeast & Mold Count	≤ 100CFU/g	< 10CFU/g
E. coli	Negative	Negative
Salmonella	Negative	Negative
Bacterial Endotoxin	≤ 2.5IU/g	< 2.5IU/g
Residual Solvents: Raw materials, manufacturing process and the product do not contain residual solvents. This batch meets the specifications for USP39.		

For research purposes only. Not for drug or clinical use in humans or human food additive use.



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Approved by:

John grubb

Date: July 18, 2018

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