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Certificate of Analysis

Product Description: beta-D-(-)-Fructose
Catalog Number: 102186
Lot: Q9705**Formula:** $C_6H_{12}O_6$
CAS #: 57-48-7
Physical Description: White Crystalline Powder**Formula Weight:** 180.2
Storage: 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	$\geq 99\%$	100%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	110 - 120°C	110.2 - 113.7°C
Optical Rotation (c=2, water)	-88° to -98°	-90.77°

Moisture: 0.04%
Density: 0.87 g/cm³
Color (RBU): 14.2
Dextrose: 0%
Screen On:
- US#20: 0%
- US#30: 0.2%
- US#40: 12.6%
- US#60: 62.5%
Screen thru US#100: 5.2%
Ash: $\leq 0.025\%$
SO₂: ≤ 9 ppm
HMF: ≤ 50 ppm
Chloride: ≤ 180 ppm
Sulfate: ≤ 250 ppm
Arsenic: ≤ 1 ppm
Lead: ≤ 0.1 ppm
Heavy metal: ≤ 5 ppm
Total plate count: ≤ 200 cfu/g
Mold & Yeast: ≤ 10 cfu/g
Recommended Retest Date: 06/25/2023



07/30/2018 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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