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Certificate of Analysis

Product Description: Dextran, MW=35,000-50,000
Catalog Number: 101508
Lot: S4259**Formula:** N/A
CAS #: 9004-54-0
Physical Description: White Powder**Formula Weight:** 35,000 - 50,000
Storage: 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
Molecular Weight	35,000 - 50,000	39,937
Specific Rotation	+192 to +204°	+193.8°
Loss on Drying	≤7.0%	2.93%
pH	5.0 - 7.0	6.40
Ash	Report Result	0.2%

FTIR: Conforms to Standard

Solubility: Very soluble in water, very slightly soluble in ethanol (96%)

Nitrogen: Not more than 100 ppm

Residual solvents

- Ethanol: Not more than 0.05%
- Related impurities: Not more than 0.05%

Heavy metals: Not more than 5 ug/g

Sulfate: Not more than 0.3%

Molecular weight and distribution

- Molecular weight of 10% Macromolecule: 108451
- Molecular weight of 10% Micromolecule: 7458

Bacterial endotoxins: <10 IU/g

Microbial contamination

- TAMC: <10 cfu/g
- E. coli: Not detected/g

Recommended Retest Date (MM/DD/YYYY): 08/07/2022

06/05/2020 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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