

Certificate of Analysis

Product Description: Dextran, MW=35,000-50,000
Catalog Number: 101508
Lot: S8438

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	34.872
Specific Rotation	+192 to +204°	+192.6°
Loss on Drying	≤7.0%	5.64%
pH	5.0 - 7.0	5.98
Ash	Report Result	0.1%

FTIR: Conforms to Standard

Solubility: Very soluble in water, and insoluble in ethanol

Nitrogen: ≤0.007%

Sulfate: ≤0.03%

Chloride: ≤0.25%

Heavy metals: ≤8 ppm

Remaining solvent:

- ethanol: ≤0/5%

Molecular weight and distribution

- Molecular weight of 10% Macromolecule: 86829

- Molecular weight of 10% Micromolecule: 7702

Bacterial endotoxins: <2.0 EU/g

The Limit of microbial:

-Aerobic bacteria: <10 cfu/g

-Saccharomycetes: <10 cfu/g

-E. coli: Not detected/g

Recommended Retest Date (MM/DD/YYYY):05/23/2024



05/02/2022 - Lily Meng
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QC Chemist

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