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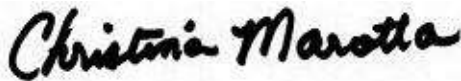
Certificate of Analysis

Product Description: Dextran, MW=35,000-50,000
Catalog Number: 101508
Lot: M8664**Formula:** N/A
CAS #: 9004-54-0
Physical Description: White Powder**Formula Weight:** 35,000 - 50,000
Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Molecular Weight	35,000 - 50,000	40,000
Specific Rotation	+192 to +204°	+192°
Loss on Drying	≤5.0%	5.7%
pH	5.0 - 7.0	6.1
Ash	Report Result	0.1%

Intrinsic viscosity @ 37°C: 0.18
Color of solution @ 510 nm: 0.03 (soluble in cold water)
Bacterial endotoxins (10% sodium chloride): 2.4 EU/ml

Recommended Retest Date: 12/31/2015



02/05/2014 - Christina Marotta
MP Biomedicals, LLC.
Technical Director

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