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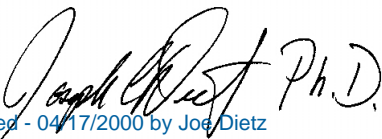
Certificate of Analysis

Product Description: Protamine Sulfate, cell culture reagent_
Catalog Number: 194729_
Lot: 5548B_

Formula: N/A
CAS #: 9009-65-8
Physical Description: White Powder

Formula Weight: N/A
Storage: Room Temperature, desiccate

Test	Specification	Result
Identity Test	Passes	Passes
Source	Salmon Sperm	Passes
Loss on Drying	≤5%	3.5%
Sulfate	16 - 22%	19.0%
Nitrogen	22.5 - 25.5%	24.4%
Activity	≥100 USP u/mg	110 USP units/mg


Approved - 04/17/2000 by Joe Dietz
MP Biomedicals, LLC.
Technical Director

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Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)