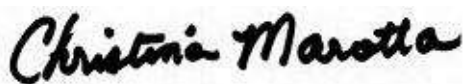


MP Biomedicals, LLC29525 Fountain Parkway
Solon, Ohio 44139Telephone: 440/337-1200
Toll Free: 800/854-0530

Certificate of Analysis

Product Description: Poly-D-lysine Hydrobromide
Catalog Number: 150175
Lot: M9067**Formula:** $(C_6H_{12}N_2O \cdot HBr)_n$
CAS #: 27964-99-4
Physical Description: White Powder**Formula Weight:** 70,000-150,000
Storage: -0°C, desiccate

Test	Specification	Result
Identity Test	Passes	Passes
Avg. Molecular Weight	70,000 - 150,000	70,000 - 150,000 (HPLC) 105,000 (by viscosity)
Degree of Polymerization	Report Result	56 (by viscosity)

Counter Ion: HBr
Purity by NMR: Ad min. 95%05/13/2014 - Christina Marotta
MP Biomedicals, LLC.
Technical DirectorThis is an electronically generated document
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<http://www.mpbio.com>Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site
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