



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Aprotinin, cell culture reagent
Catalog Number: 194559
Lot: SR01282

Formula: C₂₈₄H₄₃₂N₈₄O₇₉S₇

CAS #: 9087-70-1

Physical Description: White Powder

Formula Weight: 6511.55

Storage: 2 - 8°C

Test	Specification	Result
Identity Test	Passes	Passes
Source	Bovine Lung	Bovine Lung
Activity	~4 inhibitor u/mg	4.1 inhibitor u/mg
Activity	Record Result (KIU/mg)	6120 KIU/mg
pH (1% aq soln)	5.0 - 7.0	6.6
Water Content	≤6%	1.9%
UV/VIS: □□ max (water)	277 ± 5 nm	277.0 nm

Unit definition: the quantity of protease inhibitor that has the ability to inhibit 2 Kallikrein units by 50% under optimal conditions.

1 inhibitor unit = 1500 KIU

Abnormal Toxicity: Qualified

Pyrogen: Qualified

Clarity (2 mg/ml): Qualified

Absorption: 0.72 (Qualified)

High Molecular Protein: Qualified

Histamine Base: Qualified

Recommended Retest Date: 09/19/2021

06/26/2019 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

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