



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Aprotinin, cell culture reagent
Catalog Number: 194559
Lot: QR12605

Formula: C ₂₈₄ H ₄₃₂ N ₈₄ O ₇₉ S ₇ CAS #: 9087-70-1 Physical Description: Off-White Lyophilized Powder	Formula Weight: 6511.55 Storage: +4°C
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Test	Specification	Result
Identity Test	Passes	Passes
Source	Bovine Lung	Bovine Lung
Activity	~4 inhibitor u/mg	4.19 inhibitor u/mg
Activity	Record Result (KIU/mg)	6293 KIU/mg
pH (1% aq soln)	5.0 - 7.0	6.3
Water Content	≤6%	1.5%
UV/VIS: □□ max (water)	277 ± 5 nm	277.6 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 KIUAbnormal

Toxicity: Qualified

Pyrogen: Qualified

Clarity (2 mg/ml): Qualified

Absorption: 0.76 (Qualified)

High Molecular Protein: Qualified

Histamine Base: Qualified

Sterility: Qualified

Recommended Retest Date: 08/11/2018

08/15/2016 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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