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## Certificate of Analysis

**Product Description:** Aprotinin, cell culture reagent  
**Catalog Number:** 194559  
**Lot:** QR11903

**Formula:** C<sub>284</sub>H<sub>432</sub>N<sub>84</sub>O<sub>79</sub>S<sub>7</sub>

**CAS #:** 9087-70-1

**Physical Description:** White Lyophilized Powder

**Formula Weight:** 6511.55

**Storage:** +4°C

Test	Specification	Result
Identity Test	Passes	Passes
Source	Bovine Lung	Bovine Lung
Activity	~4 inhibitor u/mg	4.236 IU/mg
Activity	Record Result (KIU/mg)	6354 KIU/mg
pH (1% aq soln)	5.0 - 7.0	6.2
Water Content	≤6%	1.9%
UV/VIS: □□ max (water)	277 ± 5 nm	277.2 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: 0.76 (Qualified)

High Molecular Protein: Qualified

Histamine Base: Qualified

Sterility: Qualified

Recommended Retest Date: 08/31/2017

02/08/2016 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

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