

Certificate of Analysis

PRODUCT: **Aprotinin, *bovine lung***
Pancreatic Trypsin Inhibitor
C₂₈₄H₄₃₂N₈₄O₇₉S₇, M.W. 6511.44, CAS# [9087-70-1]

PRODUCT NUMBER: A-1420

LOT NUMBER: L1285

APPEARANCE: White to off-white crystalline powder.

SOLUBILITY: Clear, colorless solution. 1% freely soluble in water.

| | <u>SPECIFICATIONS:</u> | <u>RESULTS:</u> |
|---|-------------------------------|------------------------|
| ACTIVITY: | 5000 - 7125 KIU/mg | 6200 KIU/mg |
| PROTEIN: <small>(By calculation: Total Nitrogen x 6.25)</small> | >80.0% | 98% |
| PURITY: <small>(by Gel Filtration column)</small> | 95 – 100% | 98% |
| pH: | As reported | 6.8 |
| MOISTURE: | ≤6% | 4.5% |
| ASH: | ≤5% | 1.0% |
| SODIUM: | ≤50.0 mg/g | 10 mg/g |
| CHLORIDE: <small>2% nitric acid digestion, titration</small> | Reported Value | 30 mg/g |
| ENDOTOXIN: <small>(LAL Chromogenic assay)</small> | <10 EU/mg | 8 EU/mg |
| MYCOPLASMIN: <small>(Culture Assay)</small> | NEGATIVE | NEGATIVE |
| VIRUS TEST: | NEGATIVE | NEGATIVE |
| COUNTRY OF ORIGIN: | New Zealand | |

Bovine lungs are sourced from licensed slaughterhouses in New Zealand. The lungs have passed both pre and post-mortem inspection and are approved for pharmaceutical use



by Government Veterinary inspectors in accordance with New Zealand law.

STORAGE & HANDLING: Store desiccated at +4°C. **HYGROSCOPIC!**

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: AB