

Certificate of Analysis

Product: 5D-APROTININ

Reference Number: 5D-62106-1

Lot Number: 250306-10

Expiration Date: 2029-03

Description: Aprotinin lyophilized Powder, Trypsin inhibitor, pancreatic alkaline. Aprotinin is multiple inhibitor of many serine proteases, including trypsin, Plasmin, Urokinase, Kallikrein, Factor XIIa, etc. It contains 58 amino acids. It forms stable complexes with these enzymes.

Storage: Store unopened vial at 2-8°C

Presentation: Vial of 1 g

Specifications: Lot specific assay results:

Tests	Results	Specifications
Specific Activity (Trypsin Inhibition)	6061 KIU/mg	6,000 +/- 1,000 KIU/mg
Appearance	White powder	White powder
Appearance at 15 PEU/ml	Clear solution	Clear solution
Solubility in water	>50 mg/mL	>50 mg/mL
Visual Inspection	White lyophilized pellet	White lyophilized pellet
pH*	5.93 at 19°C	5.00 to 7.00
Protein Content (per vial)	1,000 mg	1000 +/- 50 mg
Product homogeneity	1 single band at about 6,500 Da on SDS PAGE	1 single band at about 6,500 Da on SDS PAGE
Absorbance at 3 PEU/ml (280nm)	0.647	0.60 to 0.80
Conclusion	Passed	Passed

- Note:** Aprotinin is diluted in distilled water; there is no buffering substance; pH can therefore present fluctuations, as the aprotinin solution is not buffered.

For laboratory Use Only.

Signature:



Name:

Date: 13/03/2025