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Certificate of Analysis

Product Elastase, Purified
Source Porcine Pancreas
Country of Manufacture USA
All products from animal sources are produced from starting material of USDA-approved origin, collected in United States Department of Agriculture (USDA) or equivalent approved facilities, inspected to be free of disease and suitable for exportation. Certificates of Origin are available upon request.
Storage Store at 2-8°C.
Code ESFF
Lot Number
Re-Assay Date
Description Chromatographically purified. A lyophilized powder.
Unit Definition One Unit cleaves one micromole of N-succinyl-L-alanyl-L-alanyl-L-alanine-p-nitroanilide per minute at 25°C, pH 8.0

<u>Parameter</u>	<u>Result</u>	<u>Acceptance Criteria</u>
u/mgP	9.77	≥8.00 units per mg protein
% Protein	99%	Report assay value.
A280nm @ 1 mg/ml	1.83	Report assay value.
u/mg dw	9.67	Report assay value.
u/mg dw Trypsin (BAEE)	0.0050	Report Assay Value.
u/mg dw Chymotrypsin (ATEE)	None detected	Report Assay Value.

Approved by: Thomas R. Ryan, Quality Control Manager (signature on file)

Date: 7/14/20