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Certificate of Analysis

Product Ribonuclease A, Purified

Source Bovine 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. PROTECT FROM MOISTURE.

Code RAF

Lot Number 55N16201

Re-Assay Date November, 2017

Description A lyophilized preparation equivalent to Code: RASE. Contains some aggregates as a result of lyophilization but shows no difference in specific activity.

Unit Definition One Unit hydrolyzes yeast RNA liberating soluble oligonucleotide causing an increase in absorbance at 260nm of 1.0 at 37°C, pH 5.0.
Note: One Kunitz Unit equals 50 Worthington Units.

<u>Parameter</u>	<u>Result</u>	<u>Acceptance Criteria</u>
u/mg dw	9,390	≥3,000 units per mg dry weight
A280nm @ 1 mg/ml	0.60	Report assay value.
SDS gel	Satisfactory	Satisfactory

Worthington certifies that all lots of ribonuclease are subjected to a pH of less than 3.0 for greater than five (5) hours during processing.

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

Date: 11/24/15