



730 Vassar Avenue, Lakewood, NJ 08701  
800.445.9603 \* 732.942.1660 fax 800.368.3108 \* 732.942.9270  
[www.worthington-biochem.com](http://www.worthington-biochem.com)

### Certificate of Analysis

Product Trypsin, TPCK-Treated, Irradiated  
 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.  
 Code TRTVMF  
 Lot Number  
 Re-Assay Date  
 Description Chromatographically purified trypsin treated with L-(tosylamido-2-phenyl) ethyl chloromethyl ketone (TPCK) to inhibit contaminating chymotryptic activity according to Kostka, V., and Carpenter, F.H.: *JBC*, 239, 1799 (1964), Code: TRTPCK, lyophilized, irradiated and tested for the absence of mycoplasma and extraneous virus according to 9 CFR 113.53c. Each vial is filled to contain 100 mg.  
 Unit Definition One Unit hydrolyzes one micromole of TAME per minute at 2°C, pH 8.2, in the presence of ionized calcium.

<u>Parameter</u>	<u>Result</u>	<u>Acceptance Criteria</u>
u/mgP	225	≥180 units per mg protein (at least 10,350 BAEE/3,450 USP/NF u/mg protein)
u/vial	29,300	≥18,000 units per vial
% Protein	100%	Report assay value.
% Chymotrypsin	0.011	Report assay value.
Bovine Mycoplasma	None detected	None detected
Bovine Virus Diarrhea (BVD)	None detected	None detected
Bovine Parvovirus (BPV)	None detected	None detected
Bovine Adenovirus (BAV)	None detected	None detected
Rabies Virus	None detected	None detected
Bovine Blue Tongue (BTV)	None detected	None detected
Bovine Resp Syncytial (BRSV)	None detected	None detected
Reovirus	None detected	None detected
Colony Count	No cfu's detected	≤1cfu/ml

Recon: Aseptically introduce 10ml sterile buffer or media via pipet or syringe. Can aliquot stock 1% soln and freeze. Working soln at 0.01% is stable 4 days @ 2°C Worthington Biochemical Corporation, the producer of the above specified product, certifies that all lots of DNase, RNase and Trypsin are subjected to a pH of less than or equal to 3.0 for greater than 5 hours during processing.

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

Date: 4/12/17