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[www.worthington-biochem.com](http://www.worthington-biochem.com)

### Certificate of Analysis

Product Trypsin  
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 TRL3  
Lot Number  
Re-Assay Date  
Description Supplied as a chromatographically purified, diafiltered and lyophilized powder.  
Unit Definition One Unit hydrolyzes one micromole of TAME per minute at 25°C, pH 8.2, in the presence of ionized calcium.

| <u>Parameter</u> | <u>Result</u> | <u>Acceptance Criteria</u> |
|------------------|---------------|----------------------------|
| u/mgP            | 247           | ≥180 units per mg protein  |
| u/mg dw          | 245           | Report assay value.        |
| % Protein        | 99%           | ≥85%                       |
| % Chymotrypsin   | 0.013%        | ≤0.02%                     |

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 3.0 for greater than five (5) hours during processing.

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

Date: 6/11/20