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Certificate of Analysis

Product Trypsin, 0.22 μ Filtered
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 TRLS
Lot Number
Re-Assay Date
Description Trypsin chromatographically purified, diafiltered (Code TRL3) filtered through a 0.22 micron pore size membrane and lyophilized in sterile vials. This product is not tested for pyrogenicity.
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/vial, LS003736 | 12,840 | \geq 9,000 TAME units per 50mg vial |
| u/mg dw | 220 | Report assay value. |
| % Protein | 100% | Report assay value. |
| A280/vial | 80.2 | Report assay value. |
| Colony Count | No cfu's detected | \leq 1 cfu/ml |

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: 1/15/20