

Certificate of Analysis

Product	Chymotrypsin, Alpha, TLCK Treated
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	CDTLCK
Lot Number	
Re-Assay Date	
Description	Three times crystallized and treated with 1-chloro-3-tosylamido-7-amino-2-heptanone (TLCK) to inhibit trypsin activity [Shaw, <i>et al.</i> , <i>Biochemistry</i> , 4, 2219 (1965)]. Dialyzed against 1 mM HCl to remove autolysis products and low molecular weight contaminants. Supplied as a dialyzed, lyophilized powder.
Unit Definition	One Unit hydrolyzes one micromole of benzoyl-L-tyrosine ethyl ester per minute at 25°C, pH 7.8.

<u>Parameter</u>	<u>Result</u>	<u>Acceptance Criteria</u>
u/mgP	61.8	≥45 units per mg protein
% Protein	98%	Report assay value.
A280/mg dw	2.01	Report Assay Value.
Trypsin	0.02%	≤0.1%