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

### Certificate of Analysis

Product Catalase, Filtered  
Source Bovine Liver  
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. DO NOT FREEZE.  
Code CTS  
Lot Number  
Re-Assay Date  
Description Supplied as an aqueous solution of 2X crystallized catalase (Code: CTR without thymol) filtered through a 0.22 micron pore size membrane. Minimum of 30,000 units/ml; 10 ml/vial.  
Unit Definition One unit decomposes one micromole of hydrogen peroxide per minute at 25°C, pH 7.0.

<u>Parameter</u>	<u>Result</u>	<u>Acceptance Criteria</u>
u/mgP	74,020	≥40,000 units per mg protein
u/ml	36,270	≥30,000 units per ml
mgP/ml	0.49	Report assay value.
Colony Count	No cfu's detected	None detected

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

Date: 5/15/19