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### Certificate of Analysis

Product Amino Acid Oxidase, D-  
Source Porcine Kidney  
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 DAOFF  
Lot Number  
Re-Assay Date  
Description Chromatographically purified. A lyophilized powder.  
Unit Definition One Unit oxidizes one micromole of D-alanine per minute at 37°C, pH 8.3

<u>Parameter</u>	<u>Result</u>	<u>Acceptance Criteria</u>
u/mg dw	2.53	≥2.00 units per mg dry weight
A280nm @ 1 mg/ml	1.52	Report assay value.

This enzyme is sensitive to physical denaturation and should be reconstituted and handled with care.

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

Date: 7/16/18