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### Certificate of Analysis

Product Deoxyribonucleic Acid, Calf Thymus  
Source Calf Thymus  
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 DNA  
Lot Number  
Re-Assay Date  
Description Highly polymerized; hyperchromicity 27%. A substrate for deoxyribonuclease assays. Prepared by a method developed at Worthington to remove contaminating RNA and protein. Supplied dried.  
Unit Definition N/A

<u>Parameter</u>	<u>Result</u>	<u>Acceptance Criteria</u>
% Hyperchromicity	32.3%	Hyperchromicity at least 27%
A260/A280	1.82	≥1.80
Substrate Suitability	Satisfactory	Satisfactory

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

Date: 10/9/17