

**CERTIFICATE OF ANALYSIS**

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by TUV SUD America Inc.  
Certificate Number. 951001163

Catalogue Number                    J61875  
Lot Number                            W10L040  
Description                            Papain, Carica Papaya Latex  
CAS Number                            9001-73-4  
Quality Test/Release Date            10/Sep/2025  
Suggested retest date                10/Sep/2030  
Country of Origin                    United States  
Declaration of Origin                Plant  
BSE/TSE                                Carica papaya Latex

Result Name	Units	Specifications	Test Value
Form		Lyophilized	Lyophilized
Unit definition		One unit hydrolyzes one micromole of benzoyl-L-arginine ethyl ester per minute at 25° C, pH 6.2, after activation in a solution containing 1.1 mM EDTA, 0.067 mM beta mercaptoethanol and 5.5 mM cystein	Conforms
units/mgP	u/mgP	Activates to at least 15.0 units per mg protein	20.8



Luis Perez  
Interim Director Quality, LCD

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.