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Certificate of Analysis

Product Description: Papain
Catalog Number: 100921
Lot: M9675

Formula: N/A
CAS #: 9001-73-4
Physical Description: Milky White Solution

Formula Weight: N/A
Storage: +4°C, do not freeze

Test	Specification	Results
Identity Test	Passes	Passes
Source	Papaya Latex	Papaya Latex
Concentration	Record Result (mg/ml)	44.0 mg/ml
Activity	≥ 10 units/mg Protein	28.1 units/mg Protein
Activity	Record Result (u/ml)	1.235 u/ml
Supplied In	For Information Only	50mM Sodium Acetate, pH4.5

Unit Definition: One unit will hydrolyze 1.0 μmole of N-alpha-benzoyl-L-arginine ethyl ester (BAEE) per minute at 25°C and pH 6.2. After activation in a solution containing 1.1mM EDTA, 0.067mM mercaptoethanol and 5.5mM cysteine-HCl for 30 minutes. It is recommended that the enzyme be 0.22 micron filtered after dissolution and prior to use.

A handwritten signature in black ink that reads "Christina Marotta". The signature is written in a cursive style and is positioned above a horizontal line.

09/12/2014 - Christina Marotta
 MP Biomedicals, LLC.
 Technical Director

This is an electronically generated document
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