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New England Biolabs Certificate of Analysis

Product Name: a-Lytic Protease

Catalog Number: P8113L
Concentration: 0.4 mg/ml
Packaging Lot Number: 10162919
Expiration Date: 07/2024
Storage Temperature: -20°C

Storage Conditions: 10 mM Sodium Acetate (pH 5.0 @25°C)

Specification Version: PS-P8113S/L v1.0

a-Lytic Protease Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P8113SVIAL	a-Lytic Protease	10156812	Pass

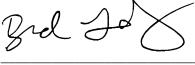
Assay Name/Specification	Lot # 10162919
Functional Testing (Myoglobin Digestion)	Pass
A 20 µl reaction in 50 mM Ammonium Bicarbonate (pH 8 @ 25°C) containing 2 µg of	
Myoglobin protein and 0.1 μg of α-Lytic Protease incubated for 16 hours at 37°C	
results in the expected digestion products as determined by LC-MS analysis.	
Charifia Antivity (Chartenhatematria)	Door
Specific Activity (Spectrophotometric)	Pass
The specific activity of α-Lytic Protease is ≥ 0.1 mmol min-1 mg-1.	
Functional Testing (Calcitonin Peptide Digestion)	Pass
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A 20 µl reaction in 50 mM Ammonium Bicarbonate (pH 8 @ 25°C) containing 2 µg of	
human calcitonin peptide and 0.1 μg of α-Lytic Protease incubated for 1 hour at 37°C	
results in the expected digestion products as determined by LC-MS analysis.	

This product has been tested and shown to be in compliance with all specifications.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



P8113L / Lot: 10162919 Page 1 of 2



Brad Landgraf Production Scientist 26 Jul 2022 Michael Tonello

Packaging Quality Control Inspector

02 Nov 2022

P8113L / Lot: 10162919

Page 2 of 2