

New England Biolabs Certificate of Analysis

Product Name: *a-Lytic Protease*
Catalog Number: *P8113S*
Concentration: *0.4 mg/ml*
Packaging Lot Number: *10185558*
Expiration Date: *01/2025*
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	10176558	Pass

Assay Name/Specification	Lot # 10185558
Functional Testing (Calcitonin Peptide Digestion) 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.	Pass
Functional Testing (Myoglobin Digestion) 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.	Pass
Specific Activity (Spectrophotometric) The specific activity of α-Lytic Protease is ≥ 0.1 mmol min ⁻¹ mg ⁻¹ .	Pass

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.

Beth M. Paschal

Beth Paschal
Production Scientist
17 Jan 2023

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
24 Apr 2023