

New England Biolabs Certificate of Analysis

Product Name: *a-Lytic Protease*
 Catalog Number: *P8113S*
 Packaging Lot Number: *10068273*
 Expiration Date: *03/2022*
 Storage Temperature: *-20°C*
 Storage Conditions: *10 mM Sodium Acetate (pH 5.0 @25°C)*
 Specification Version: *PS-P8113S v1.0*

a-Lytic Protease Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P8113SVIAL	a-Lytic Protease	10068272	Pass

Assay Name/Specification	Lot # 10068273
Specific Activity (Spectrophotometric) The specific activity of α -Lytic Protease is ≥ 0.1 mmol min ⁻¹ mg ⁻¹ .	Pass
Functional Testing (Myoglobin Digestion) A 20 μ l reaction in 50 mM Ammonium Bicarbonate (pH 8 @ 25°C) containing 2 μ g of Myoglobin protein and 0.1 μ g of α -Lytic Protease incubated for 16 hours at 37°C results in the expected digestion products as determined by LC-MS analysis.	Pass
Functional Testing (Calcitonin Peptide Digestion) A 20 μ l reaction in 50 mM Ammonium Bicarbonate (pH 8 @ 25°C) containing 2 μ g of human calcitonin peptide and 0.1 μ g of α -Lytic Protease incubated for 1 hour at 37°C results in the expected digestion products as determined by LC-MS analysis.	Pass

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

Alicia Bielik

Alicia Bielik
Production Scientist
08 Jul 2020

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
08 Jul 2020