

New England Biolabs Certificate of Analysis

Product Name: *a-Lytic Protease*
Catalog Number: *P8113S*
Lot Number: *10046016*
Expiration Date: *05/2021*
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	10045604	Pass

Assay Name/Specification	Lot # 10046016
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
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
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.



Brad Landgraf
Production Scientist
22 May 2019



Michael Tonello
Packaging Quality Control Inspector
23 May 2019