

New England Biolabs Certificate of Analysis

Product Name: *a-Lytic Protease*
Catalog Number: *P8113L*
Concentration: *0.4 mg/ml*
Packaging Lot Number: *10199293*
Expiration Date: *07/2025*
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 | 10197237 | Pass |

| Assay Name/Specification | Lot # 10199293 |
|--|----------------|
| 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
29 Jun 2023

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
05 Jul 2023