

New England Biolabs Certificate of Analysis

Product Name: Trypsin-ultra™, Mass Spectrometry Grade
Catalog Number: P8101S
Packaging Lot Number: 10176430
Expiration Date: 05/2023
Storage Temperature: -20°C
Storage Conditions: Supplied in dry format from a sodium acetate and calcium chloride buffer.
Specification Version: PS-P8101S v2.0

| Trypsin-ultra™, Mass Spectrometry Grade Component List | | | |
|--|---|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| P8101SVIAL | Trypsin-ultra™, Mass Spectrometry Grade | 10149077 | Pass |
| B8101SVIAL | Trypsin-ultra Reaction Buffer | 10127492 | Pass |


| Assay Name/Specification | Lot # 10176430 |
|--|----------------|
| Functional Testing (Calcitonin Peptide Digestion) A 20 µl reaction in Trypsin-ultra™, Mass Spectrometry Grade Reaction Buffer containing 2 µg of human calcitonin peptide and 0.1 µg of Trypsin incubated for 16 hours at 37°C results in the expected digestion products as determined by LC-MS analysis. | Pass |
| Functional Testing (Cytochrome C Digestion) A 20 µl reaction in Trypsin-ultra™, Mass Spectrometry Grade reaction buffer containing 2 µg of Cytochrome C and 0.1 µg of Trypsin incubated for 16 hours at 37°C results in the expected digestion products as determined by LC-MS analysis. | Pass |
| Specific Activity (Fluorometric) The specific activity of Trypsin-ultra™, Mass Spectrometry Grade is between 1.8 µmol min ⁻¹ mg ⁻¹ and 3 µmol 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
19 May 2022



Josh Hersey
Packaging Quality Control Inspector
01 Mar 2023