

New England Biolabs Certificate of Analysis

Product Name: Trypsin-ultra™, Mass Spectrometry Grade
 Catalog Number: P8101S
 Packaging Lot Number: 10202227
 Expiration Date: 07/2024
 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	10198893	Pass
B8101SVIAL	Trypsin-ultra Reaction Buffer	10181133	Pass

Assay Name/Specification	Lot # 10202227
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
24 Jul 2023

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
02 Aug 2023