

New England Biolabs Certificate of Analysis

Product Name: Trypsin-ultra™, Mass Spectrometry Grade
 Catalog Number: P8101S
 Lot Number: 10030172
 Expiration Date: 12/2019
 Storage Temperature: -20°C
 Storage Conditions: Supplied freeze-dried from a sodium acetate and calcium chloride buffer.
 Specification Version: PS-P8101S v1.0

Trypsin-ultra™, Mass Spectrometry Grade Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
P8101SVIAL	Trypsin-ultra™, Mass Spectrometry Grade	10030170	Pass
B8101SVIAL	Trypsin-ultra Reaction Buffer	10023772	Pass

Assay Name/Specification	Lot # 10030172
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.



Alicia Bielik
Production Scientist
10 Nov 2018



Josh Hersey
Packaging Quality Control Inspector
14 Dec 2018