

New England Biolabs Certificate of Analysis

Product Name: Trypsin-ultra™, Mass Spectrometry Grade
Catalog Number: P8101S
Packaging Lot Number: 10149078
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 # 10149078
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
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
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

This product has been tested and shown to be in compliance with all specifications.

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Alicia Bielik
Production Scientist
23 May 2022



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Packaging Quality Control Inspector
23 May 2022