

## New England Biolabs Certificate of Analysis

**Product Name:** *Nuclease P1*  
**Catalog Number:** *M0660S*  
**Concentration:** *100,000 U/ml*  
**Unit Definition:** *One unit is defined as the amount of enzyme required to liberate 1.0 µg of acid soluble nucleotides from Torula Yeast total RNA per min at 37°C in 1X Nuclease P1 Buffer.*  
**Packaging Lot Number:** *10067127*  
**Expiration Date:** *10/2021*  
**Storage Temperature:** *-20°C*  
**Storage Conditions:** *25 mM Tris-HCl, 50 mM NaCl, 1 mM ZnCl<sub>2</sub>, 50% Glycerol, (pH 7.2 @ 25°C)*  
**Specification Version:** *PS-M0660S v1.0*

Nuclease P1 Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M0660SVIAL	Nuclease P1	10055154	Pass
B0660SVIAL	10X Nuclease P1 Buffer	10067128	Pass

Assay Name/Specification	Lot # 10067127
<b>Protease Activity (SDS-PAGE)</b> A 20 µl reaction in 1X CutSmart® Buffer containing 24 µg of a standard mixture of proteins and a minimum of 100 units of Nuclease P1 incubated for 18 hours at 37°C, results in no detectable degradation of the protein mixture as determined by SDS-PAGE with Coomassie Blue detection.	<b>Pass</b>
<b>Protein Purity Assay (SDS-PAGE)</b> Nuclease P1 is ≥ 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.	<b>Pass</b>

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

*Beth M. Paschal*

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Beth Paschal  
Production Scientist  
17 Oct 2019

*Jay Minichiello*

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Jay Minichiello  
Packaging Quality Control Inspector  
19 Mar 2020