

## 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.  
**Lot Number:** 10048050  
**Expiration Date:** 07/2021  
**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	10048051	Pass
B0660SVIAL	10X Nuclease P1 Buffer	10048052	Pass

Assay Name/Specification	Lot # 10048050
<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.	Pass
<b>Protein Purity Assay (SDS-PAGE)</b> Nuclease P1 is ≥ 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.	Pass

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  
10 Jul 2019

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
11 Jul 2019