

## New England Biolabs Certificate of Analysis

**Product Name:** *TriDye™ Ultra Low Range DNA Ladder*  
**Catalog Number:** *N0558S*  
**Unit Definition:** *N/A*  
**Packaging Lot Number:** *10068195*  
**Expiration Date:** *02/2022*  
**Storage Temperature:** *4°C*  
**Storage Conditions:** *10 mM Tris-HCl, 10 mM EDTA, 10 % Glycerol, 0.006 % Xylene cyanol, 0.006 % Bromophenol Blue, 0.06 % Orange G, (pH 8.0 @ 25°C)*  
**Specification Version:** *PS-N0558S v1.0*

TriDye™ Ultra Low Range DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0558SVIAL	TriDye™ Ultra Low Range DNA Ladder	10068194	Pass

Assay Name/Specification	Lot # 10068195
<b>DNA Concentration (A260)</b> The concentration of TriDye™ Ultra Low Range DNA Ladder is between 100 and 110 µg/ml as determined by UV absorption at 260 nm.	<b>Pass</b>
<b>Electrophoretic Pattern (Marker)</b> The banding pattern of TriDye™ Ultra Low Range DNA Ladder on a 20% TBE-polyacrylamide gel shows discrete, clearly identifiable bands at each band of the marker, when stained with Ethidium Bromide at a concentration of 0.5 µg/ml.	<b>Pass</b>
<b>Non-Specific DNase Activity (DNA, 16 hour)</b> A 50 µl reaction in 1X NEBuffer 2 containing 5 µg of TriDye™ Ultra Low Range DNA Ladder incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by polyacrylamide gel electrophoresis.	<b>Pass</b>

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



Vanessa Mathieu-Sheltry  
Production Scientist  
03 Mar 2020



Josh Hersey  
Packaging Quality Control Inspector  
23 Mar 2020