

New England Biolabs Certificate of Analysis

Product Name: *TriDye™ Ultra Low Range DNA Ladder*
Catalog Number: *N0558S*
Unit Definition: *N/A*
Packaging Lot Number: *10149498*
Expiration Date: *04/2024*
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	10149497	Pass

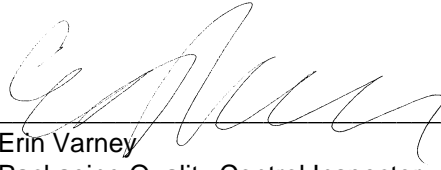
Assay Name/Specification	Lot # 10149498
Non-Specific DNase Activity (DNA, 16 hour) A 50 µl reaction in 1X NEBuffer 2 containing 5 µg of TriDye™ Ultra Low Range DNA Ladder incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by polyacrylamide gel electrophoresis.	Pass
Electrophoretic Pattern (Marker) 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.	Pass
DNA Concentration (A260) The concentration of TriDye™ Ultra Low Range DNA Ladder is between 100 and 110 µg/ml as determined by UV absorption at 260 nm.	Pass

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



Vanessa Mathieu-Sheltry
Production Scientist
03 May 2022



Erin Varney
Packaging Quality Control Inspector
03 May 2022