

New England Biolabs Certificate of Analysis

Product Name: *TriDye™ Ultra Low Range DNA Ladder*
Catalog Number: *N0558S*
Unit Definition: *N/A*
Packaging Lot Number: *10176539*
Expiration Date: *01/2025*
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	10176273	Pass

Assay Name/Specification	Lot # 10176539
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
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
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

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

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Vanessa Mathieu-Sheltry
Production Scientist
30 Dec 2022



Michael Tonello
Packaging Quality Control Inspector
04 Jan 2023