

New England Biolabs Certificate of Analysis

Product Name: 1 kb Plus DNA Ladder for Safe Stains
Catalog Number: N0559S
Unit Definition: N/A
Packaging Lot Number: 10182187
Expiration Date: 03/2025
Storage Temperature: 4°C
Storage Conditions: 5 mM Tris-HCl, 5 mM EDTA, 0.002% Xylene Cyanol, 5% Glycerol, (pH 8.0 @ 25°C)
Specification Version: PS-N0559S v1.0

1 kb Plus DNA Ladder for Safe Stains Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0559SVIAL	1 kb Plus DNA Ladder for Safe Stains	10180283	Pass

Assay Name/Specification	Lot # 10182187
DNA Concentration (A260) The concentration of 1 kb Plus DNA Ladder for Safe Stains is between 50 and 55 µg/ml as determined by UV absorption at 260 nm.	Pass
Electrophoretic Pattern (Marker) The banding pattern of 1 kb Plus DNA Ladder for Safe Stains on a 1.2% agarose 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 2.5 µg of 1 kb Plus DNA Ladder for Safe Stains incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose 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
24 Feb 2023



Michael Tonello
Packaging Quality Control Inspector
28 Feb 2023