

## New England Biolabs Certificate of Analysis

**Product Name:** RNA Loading Dye (2x)  
**Catalog Number:** B0363S  
**Concentration:** 2 X Concentrate  
**Packaging Lot Number:** 10201425  
**Expiration Date:** 05/2025  
**Storage Temperature:** -20°C  
**Specification Version:** PS-B0363S v1.0  
**Composition (1X):** 47.5% Formamide, 0.01% SDS, 0.01 % Bromophenol Blue, 0.005% Xylene Cyanol, 0.5 mM EDTA

RNA Loading Dye (2x) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
B0363AVIAL	RNA Loading Dye, (2X)	10189418	Pass

Assay Name/Specification	Lot # 10201425
<b>Endonuclease Activity (Nicking, Buffer)</b> A 50 µl reaction in 1X RNA Loading Dye, (2X) containing 1 µg of supercoiled PhiX174 DNA incubated for 4 hours at 37°C results in <10% conversion to the nicked form as determined by agarose gel electrophoresis.	Pass
<b>RNase Activity (Buffer)</b> A 10 µl reaction in 1X RNA Loading Dye, (2X) containing 40 ng of a 300 base single-stranded RNA is incubated at 37°C. After incubation for 16 hours, >90% of the substrate RNA remains intact as determined by gel electrophoresis.	Pass

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

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12 May 2023

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28 Jul 2023