

## New England Biolabs Certificate of Analysis

**Product Name:** RNA Loading Dye (2x)  
**Catalog Number:** B0363S  
**Concentration:** 2 X Concentrate  
**Lot Number:** 10046943  
**Expiration Date:** 03/2021  
**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)	10037295	Pass

Assay Name/Specification	Lot # 10046943
<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.



Bo Wu  
Production Scientist  
26 Mar 2019



Michael Tonello  
Packaging Quality Control Inspector  
27 Jun 2019