NEW ENGLAND BioLabs Inc.
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New England Biolabs
Certificate of Analysis

Product Name:	*Nuclease BAL-31*
Catalog Number:	*M0213S*
Concentration:	*1,000 U/ml*
Unit Definition:	*One unit is defined as the amount of enzyme required to remove 200 base pairs from each end of linearized double-stranded PhiX174 DNA (40 µg/ml) in a total reaction volume of 50 µl in 10 minutes at 30°C in 1X Nuclease BAL-31 Reaction Buffer.*
Lot Number:	*10036382*
Expiration Date:	*03/2021*
Storage Temperature:	*-20°C*
Storage Conditions:	*10 mM Tris-HCl, 50 mM NaCl, 0.25 mM EDTA, 1.5 mM CaCl2, 1.5 mM MgCl2, 50 % Glycerol, 200 µg/ml BSA, (pH 8.0 @ 25°C)*
Specification Version:	*PS-M0213S/L v1.0*

Nuclease BAL-31 Component List			
NEB Part Number	**Component Description**	**Lot Number**	**Individual QC Result**
M0213SVIAL	Nuclease BAL-31	10035535	**Pass**
B0213SVIAL	Nuclease BAL-31 Reaction Buffer	10035188	**Pass**

Assay Name/Specification	**Lot # 10036382**
Double Stranded DNase Activity (HaeIII Digested DNA) A 50 µl reaction in Nuclease BAL-31 Reaction Buffer containing 25 µg of HaeIII digested PhiX174 DNA and 30 units of Nuclease BAL-31 is incubated for 5 minutes at 30°C. The DNA is then ligated with T4 DNA Ligase resulting in approximately 75% ligation of the DNA fragments.	**Pass**

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

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06 Mar 2019

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