

## New England Biolabs Certificate of Analysis

**Product Name:** Nucleosome Control DNA  
**Catalog Number:** N1202S  
**Concentration:** 10  $\mu$ M  
**Unit Definition:** N/A  
**Lot Number:** 10048311  
**Expiration Date:** 06/2021  
**Storage Temperature:** -20°C  
**Storage Conditions:** 10 mM Tris-HCl, 1 mM EDTA, (pH 8.0 @ 25°C)  
**Specification Version:** PS-N1202S v1.0

Nucleosome Control DNA Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N1202SVIAL	Nucleosome Control DNA	10047837	Pass

Assay Name/Specification	Lot # 10048311
<b>Concentration (A260)</b> The concentration of Nucleosome Control DNA is between 1.22 and 1.34 $\mu$ g/ $\mu$ l as determined by UV absorption at 260 nm.	Pass
<b>A260/A280 Assay</b> The ratio of UV absorption of at 260 and 280 nm is between 1.8 and 2.	Pass
<b>Electrophoretic Pattern (Linear DNA)</b> The banding pattern of Nucleosome Control DNA on a 6% TBE-polyacrylamide gel is evaluated against a control lot for sharpness and relative intensity as determined by gel electrophoresis using Ethidium Bromide.	Pass
<b>Non-Specific DNase Activity (DNA, 16 hour)</b> A 50 $\mu$ l reaction in 1X NEBuffer 2.1 containing 2 $\mu$ l of Nucleosome Control DNA 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.

*Fana Mersha*

Fana Mersha  
Production Scientist  
17 Jun 2019

*Michael Tonello*

Michael Tonello  
Packaging Quality Control Inspector  
01 Jul 2019