

## New England Biolabs Certificate of Analysis

**Product Name:** Nucleosome Control DNA  
**Catalog Number:** N1202S  
**Concentration:** 10  $\mu$ M  
**Unit Definition:** N/A  
**Lot Number:** 10042339  
**Expiration Date:** 04/2021  
**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	10042338	Pass

Assay Name/Specification	Lot # 10042339
<b>A260/A280 Assay</b> The ratio of UV absorption of at 260 and 280 nm is between 1.8 and 2.	Pass
<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>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  
Production Scientist  
09 Apr 2019



Josh Hersey  
Packaging Quality Control Inspector  
09 Apr 2019