## New England Biolabs Certificate of Analysis

| Product Name: | Clal |
| :---: | :---: |
| Catalog Number: | R0197S |
| Concentration: | 10,000 U/ml |
| Unit Definition: | One unit is defined as the amount of enzyme required to digest $1 \mu \mathrm{~g}$ of Lambda DNA (dam-) in 1 hour at $37^{\circ} \mathrm{C}$ in a total reaction volume of $50 \mu$ l. |
| Packaging Lot Number: | 10104970 |
| Expiration Date: | 04/2023 |
| Storage Temperature: | $-20^{\circ} \mathrm{C}$ |
| Storage Conditions: | $50 \mathrm{mM} \mathrm{KCl}, 10 \mathrm{mM}$ Tris-HCl (pH 7.4), 1 mM DTT, 0.1 mM EDTA, $50 \%$ Glycerol, $200 \mu \mathrm{~g} / \mathrm{ml}$ BSA |
| Specification Version: | PS-R0197S/L v1.0 |


| Clal Component List |  |  |  |
| :--- | :--- | :--- | :--- |
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| R0197SVIAL | Clal | 10104969 | Pass |
| B7024AVIAL | Gel Loading Dye, Purple (6X) | 10092682 | Pass |
| B6004SVIAL | rCutSmart $^{\text {TM }}$ Buffer | 10105820 | Pass |



| Assay Name/Specification | Lot \# 10104970 |
| :--- | :---: |
| conversion to the nicked form as determined by agarose gel electrophoresis. |  |
|  | Pass |
| Exonuclease Activity (Radioactivity Release) |  |
| A $50 \mu 1$ reaction in CutSmart™ Buffer containing $1 \mu \mathrm{~g}$ of a mixture of single and |  |
| double-stranded [ $\left.{ }^{3} \mathrm{H}\right] \mathrm{E}$. coli DNA and a minimum of 100 units of Clal incubated for 4 |  |
| hours at $37^{\circ} \mathrm{C}$ releases <0.1\% of the total radioactivity. |  |

This product has been tested and shown to be in compliance with all specifications.
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 10 May 2021


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