

240 County Road Ipswich, MA 01938-2723 Tel 978-927-5054 Fax 978-921-1350 www.neb.com info@neb.com

## New England Biolabs Certificate of Analysis

Product Name: Amylose Resin

Catalog Number: E8021L
Packaging Lot Number: 10151466
Expiration Date: 04/2025
Storage Temperature: 4°C

Specification Version: PS-E8021S/L v2.0

| Amylose Resin Component List |                       |            |                      |
|------------------------------|-----------------------|------------|----------------------|
| <b>NEB Part Number</b>       | Component Description | Lot Number | Individual QC Result |
| E8021LVIAL                   | Amylose Resin         | 10146246   | Pass                 |

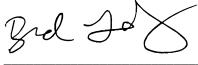
| Assay Name/Specification  | Lot # 10151466 |
|---|----------------|
| Functional Binding Assay (Resin Binding Capacity)                                   | Pass           |
| Amylose Resin (1 ml) was packed into a column and equilibrated with column buffer.  |                |
| Crude extract from E. coli containing a plasmid that expresses a                    |                |
| MBP5*-paramyosin∆Sal fusion protein ( 8 ml ) was then passed through the column at  |                |
| 25°C, then washed with column buffer and the target protein eluted with ≥4 ml of    |                |
| column buffer containing 10 mM maltose. Binding capacity was determined to be >4 mg |                |
| MBP5*-paramyosinΔSal /ml of resin based on A280 of the eluate.                      |                |
| Functional Binding Assay (Resin Binding Specificity)                                | Pass           |
| Amylose Resin (1 ml) was packed into a column and equilibrated with column buffer.  |                |
| Crude extract from E. coli containing a plasmid that expresses a                    |                |
| MBP5*-paramyosinΔSal fusion protein ( 8 ml ) was then passed through the column at  |                |
| 25°C, and then washed with column buffer. The target protein was eluted with ≥4 ml  |                |
| of column buffer containing 10 mM maltose. SDS-PAGE of the eluate on a 10-20%       |                |
| Tris-Glycine gel confirms low non-specific binding of extract proteins and high     |                |
| isolation of target.  |                |

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



E8021L / Lot: 10151466 Page 1 of 2

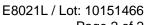


Brad Landgraf Production Scientist 26 May 2022 Michael Tonello

Packaging Quality Control Inspector 26 May 2022







Page 2 of 2