

## New England Biolabs Certificate of Analysis

**Product Name:** Amylose Resin  
**Catalog Number:** E8021S  
**Packaging Lot Number:** 10140918  
**Expiration Date:** 02/2025  
**Storage Temperature:** 4°C  
**Specification Version:** PS-E8021S/L v2.0

| Amylose Resin Component List |                       |            |                      |
|------------------------------|-----------------------|------------|----------------------|
| NEB Part Number              | Component Description | Lot Number | Individual QC Result |
| E8021SVIAL                   | Amylose Resin         | 10138064   | Pass                 |

| Assay Name/Specification   | Lot # 10140918 |
|--|----------------|
| <p><b>Functional Binding Assay (Resin Binding Capacity)</b><br/>           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, 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 &gt;4 mg MBP5*-paramyosinΔSal /ml of resin based on A280 of the eluate.</p>                                   | <b>Pass</b>    |
| <p><b>Functional Binding Assay (Resin Binding Specificity)</b><br/>           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.</p> | <b>Pass</b>    |

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

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10 Mar 2022



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10 Mar 2022