

New England Biolabs Certificate of Analysis

Product Name: Amylose Resin
 Catalog Number: E8021S
 Packaging Lot Number: 10115983
 Expiration Date: 07/2024
 Storage Temperature: 4°C
 Specification Version: PS-E8021S/L v1.0

| Amylose Resin Component List | | | |
|------------------------------|-----------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| E8021SVIAL | Amylose Resin | 10111312 | Pass |

| Assay Name/Specification | Lot # 10115983 |
|---|----------------|
| <p>Functional Binding Assay (Resin Binding Specificity) 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> | Pass |
| <p>Functional Binding Assay (Resin Binding Capacity) 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 >4 mg MBP5*-paramyosinΔSal /ml of resin based on A280 of the eluate.</p> | Pass |

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

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Michael Spfoviero
Production Scientist
27 Aug 2021



Michael Tonello
Packaging Quality Control Inspector
27 Aug 2021