Product Name: Amylose Resin
Catalog Number: E8021L
Packaging Lot Number: 10115982
Expiration Date: 07/2024
Storage Temperature: 4°C
Specification Version: PS-E8021S/L v1.0

### Amylose Resin Component List

<table>
<thead>
<tr>
<th>NEB Part Number</th>
<th>Component Description</th>
<th>Lot Number</th>
<th>Individual QC Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>E8021LVIAL</td>
<td>Amylose Resin</td>
<td>10111311</td>
<td>Pass</td>
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### Assay Name/Specification

#### 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.

**Lot # 10115982**
Pass

#### 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.

Pass

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

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