Product Name: Amylose Resin  
Catalog Number: E8021L  
Lot Number: 10041603  
Expiration Date: 12/2021  
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>10027727</td>
<td>Pass</td>
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</table>

Assay Name/Specification          | Lot # 10041603 |
----------------------------------|----------------|
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*-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.

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.
Brad Landgraf  
Production Scientist  
30 Nov 2018

Michael Tonello  
Packaging Quality Control Inspector  
21 May 2019