

## New England Biolabs Certificate of Analysis

Product Name: Amylose Resin  
Catalog Number: E8021S  
Lot Number: 10031639  
Expiration Date: 12/2021  
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	10027725	Pass

Assay Name/Specification	Lot # 10031639
<p><b>Functional Binding Assay (Resin Binding Capacity)</b> 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>	Pass
<p><b>Functional Binding Assay (Resin Binding Specificity)</b> 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

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



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Brad Landgraf  
Production Scientist  
20 Dec 2018



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Michael Tonello  
Packaging Quality Control Inspector  
12 Mar 2019