

## New England Biolabs Certificate of Analysis

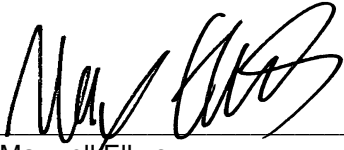
Product Name: Amylose Resin  
 Catalog Number: E8021S  
 Packaging Lot Number: 10229423  
 Expiration Date: 11/2026  
 Storage Temperature: 4°C  
 Specification Version: PS-E8021S/L v2.0

Amylose Resin Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E8021SVIAL	Amylose Resin	10213828	Pass

Assay Name/Specification	Lot # 10229423
<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

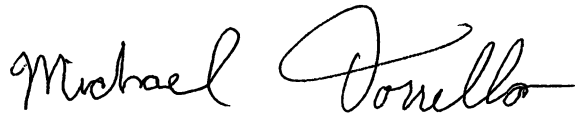
This product has been tested and shown to be in compliance with all specifications.

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Maxwell Elkus  
Production Scientist  
17 Nov 2023



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Michael Tonello  
Packaging Quality Control Inspector  
14 Feb 2024