

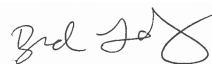
## New England Biolabs Certificate of Analysis

*Product Name:* Amylose Resin  
*Catalog #:* E8021S/L  
*Lot #:* 0221801  
*Assay Date:* 01/2018  
*Expiration Date:* 01/2021  
*Storage Temp:* 4°C  
*Specification Version:* PS-E8021S/L v1.0  
*Effective Date:* 04 May 2018

Assay Name/Specification (minimum release criteria)	Lot #0221801
<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 <i>E. coli</i> 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>	<b>Pass</b>
<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 <i>E. coli</i> 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>	<b>Pass</b>



Authorized by  
Derek Robinson  
04 May 2018



Inspected by  
Brad Landgraf  
30 Jan 2018

