

New England Biolabs Certificate of Analysis

Product Name: Amylose Resin
 Catalog Number: E8021L
 Lot Number: 10031638
 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
E8021LVIAL	Amylose Resin	10027727	Pass

Assay Name/Specification	Lot # 10031638
<p>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.</p>	Pass
<p>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.</p>	Pass

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
25 Mar 2019