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New England Biolabs Certificate of Analysis

Product Name: Amylose Resin

Catalog Number: E8021S
Packaging Lot Number: 10169880
Expiration Date: 10/2025
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	10164711	Pass

Assay Name/Specification	Lot # 10169880
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*-paramyosin∆Sal 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.	

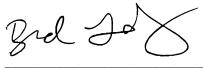
This product has been tested and shown to be in compliance with all specifications.

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Brad Landgraf Production Scientist 12 Oct 2022 Michael Tonello

Packaging Quality Control Inspector

15 Dec 2022

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