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New England Biolabs Certificate of Analysis

Product Name: Amylose Resin

Catalog Number: E8021L
Lot Number: 10052793
Expiration Date: 06/2022
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	10045744	Pass

Assay Name/Specification	Lot # 10052793
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.	Pass
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*-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*-paramyosin∆Sal /ml of resin based on A280 of the eluate.	Pass

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



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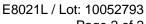


Brad Landgraf Production Scientist 07 Jun 2019 Michael Tonello

Packaging Quality Control Inspector 28 Aug 2019







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