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New England Biolabs Certificate of Analysis

Product Name: Amylose Resin High Flow

Catalog Number: E8022S
Packaging Lot Number: 10182428
Expiration Date: 09/2024
Storage Temperature: 4°C

Specification Version: PS-E8022S/L v2.0

Amylose Resin High Flow Component List				
NEB Part Number	Component Description	Lot Number	Individual QC Result	
E8022SVIAL	Amylose Resin High Flow	10114739	Pass	

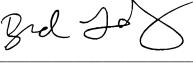
Assay Name/Specification	Lot # 10182428
Functional Binding Assay (Resin Binding Capacity) Amylose Resin High Flow (1 ml) was packed into a column and equilibrated with column buffer. Crude extract from E. coli containing a plasmid that expresses a MBP5*-paramyosinΔSal fusion protein (8 ml) was then passed 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.	Pass
Functional Binding Assay (Resin Binding Specificity) Amylose Resin High Flow (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

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

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Brad Landgraf Production Scientist 30 Sep 2021 Michael Tonello

Packaging Quality Control Inspector

13 Apr 2023

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