

New England Biolabs Certificate of Analysis

Product Name: Amylose Resin High Flow
 Catalog Number: E8022L
 Packaging Lot Number: 10185478
 Expiration Date: 05/2025
 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
E8022LVIAL	Amylose Resin High Flow	10147231	Pass

Assay Name/Specification	Lot # 10185478
<p>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.</p>	Pass
<p>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.</p>	Pass

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

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Brad Landgraf
Production Scientist
21 Apr 2022



Michael Tonello
Packaging Quality Control Inspector
03 Apr 2023