NEW ENGLAND BioLabs Inc.
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New England Biolabs
Certificate of Analysis

Product Name: *Amylose Resin*
Catalog Number: *E8021S*
Packaging Lot Number: *10162187*
Expiration Date: *08/2025*
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	10160090	**Pass**

Assay Name/Specification	**Lot # 10162187**
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.	**Pass**
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**

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

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