NEW ENGLAND
BioLabs Inc.

be INSPIRED
drive DISCOVERY
stay GENUINE

240 County Road
Ipswich, MA 01938-2723

Tel 978-927-5054
Fax 978-921-1350

www.neb.com
info@neb.com

New England Biolabs
Certificate of Analysis

Product Name:	*Amylose Resin High Flow*
Catalog Number:	*E8022L*
Packaging Lot Number:	*10085466*
Expiration Date:	*10/2023*
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	10085464	Pass

Assay Name/Specification	Lot # 10085466
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
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

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.

nqa. ISO 9001 Registered Quality Management
nqa. ISO 13485 Registered Medical Devices
nqa. ISO 14001 Registered Environmental Management

E8022L / Lot: 10085466
Page 1 of 2

Michael Sproviero
Production Scientist
26 Feb 2021

Michael Tonello
Packaging Quality Control Inspector
26 Feb 2021

E8022L / Lot: 10085466