

## New England Biolabs Certificate of Analysis

**Product Name:** Chitin Magnetic Beads  
**Catalog Number:** E8036S  
**Packaging Lot Number:** 10259596  
**Expiration Date:** 09/2027  
**Storage Temperature:** 4°C  
**Specification Version:** PS-E8036S/L v1.0

Chitin Magnetic Beads Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E8036SVIAL	Chitin Magnetic Beads	10255339	Pass

Assay Name/Specification	Lot # 10259596
<b>Binding Capacity (Magnetic Beads)</b> Chitin Magnetic Beads ( 25 µl ) were equilibrated and incubated with 500 µl of crude extract from E. coli containing a plasmid that expresses a SNAP-intein-chitin binding domain fusion protein for 1 hour at 25°C, then washed and the intein cleaved and target eluted. Binding capacity was determined to be >2 mg of target protein per ml of bed volume.	<b>Pass</b>
<b>Functional Binding Assay (Qualitative)</b> Chitin Magnetic Beads ( 25 µl ) were equilibrated and incubated with 500 µl of crude extract from E. coli containing a plasmid that expresses a SNAP-intein-chitin binding domain fusion protein for 1 hour at 25°C, then washed, eluted and evaluated by Tris-Glycine gel to confirm low non-specific binding of extract proteins and high isolation of target.	<b>Pass</b>

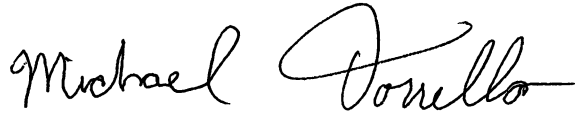
This product has been tested and shown to be in compliance with all specifications.

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Maxwell Elkus  
Production Scientist  
13 Sep 2024



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Michael Tonello  
Packaging Quality Control Inspector  
17 Sep 2024