

New England Biolabs Certificate of Analysis

Product Name: *NEBExpress[®] Ni-NTA Magnetic Beads*
 Catalog Number: *S1423S*
 Concentration: *10 %*
 Packaging Lot Number: *10144361*
 Expiration Date: *11/2024*
 Storage Temperature: *4°C*
 Storage Conditions: *20% Ethanol*
 Specification Version: *PS-S1423S/L v1.0*

NEBExpress [®] Ni-NTA Magnetic Beads Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1423SVIAL	NEBExpress [™] Ni-NTA Magnetic Beads	10128994	Pass
B1077SVIAL	2M Imidazole	10140245	Pass
B1076SVIAL	2X IMAC Buffer	10137018	Pass

Assay Name/Specification	Lot # 10144361
<p>Functional Binding Assay (Qualitative) Ni-NTA Magnetic Beads (50 µl) were equilibrated and incubated with 200 µl of crude extract from E. coli containing a plasmid that expresses a His6-LysRS fusion protein for 30 minutes at 25°C, then washed, eluted and evaluated by SDS-PAGE to confirm low non-specific binding of extract proteins and high isolation of target.</p>	Pass
<p>Binding Capacity (Magnetic Beads) Ni-NTA Magnetic Beads (50 µl) were equilibrated and incubated with 200 µl of crude extract from E. coli containing a plasmid that expresses a His6-LysRS fusion protein for 30 minutes at 25°C, then washed and the His6-LysRS fusion protein eluted. Binding capacity was determined to be >7.5 mg of target protein per mL of bed volume.</p>	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.



Brad Landgraf
Production Scientist
14 Apr 2022



Michael Tonello
Packaging Quality Control Inspector
14 Apr 2022