

New England Biolabs Certificate of Analysis

Product Name: NEBExpress® Ni-NTA Magnetic Beads
Catalog Number: S1423L
Concentration: 10 %
Packaging Lot Number: 10128992
Expiration Date: 08/2024
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
B1077LVIAL	2M Imidazole	10115310	Pass
B1076SVIAL	2X IMAC Buffer	10115309	Pass

Assay Name/Specification	Lot # 10128992
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.	Pass
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.	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.



Alicia Bielik
Production Scientist
10 Dec 2021



Michael Tonello
Packaging Quality Control Inspector
10 Dec 2021