

New England Biolabs Certificate of Analysis

Product Name: NEBExpress® Ni-NTA Magnetic Beads
Catalog Number: S1423S
Concentration: 10 %
Packaging Lot Number: 10067691
Expiration Date: 02/2023
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	10066649	Pass
B1077SVIAL	2M Imidazole	10065883	Pass
B1076SVIAL	2X IMAC Buffer	10065882	Pass

Assay Name/Specification	Lot # 10067691
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.



Brad Landgraf
Production Scientist
06 Feb 2020



Michael Tonello
Packaging Quality Control Inspector
12 Feb 2020