

New England Biolabs Certificate of Analysis

Product Name: NEBExpress[®] Ni-NTA Magnetic Beads
Catalog Number: S1423S
Concentration: 10 %
Packaging Lot Number: 10180168
Expiration Date: 06/2025
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	10153422	Pass
B1077SVIAL	2M Imidazole	10157971	Pass
B1076SVIAL	2X IMAC Buffer	10173905	Pass

Assay Name/Specification	Lot # 10180168
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.

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Brad Landgraf
Production Scientist
29 Jun 2022



Michael Tonello
Packaging Quality Control Inspector
07 Feb 2023