

New England Biolabs Certificate of Analysis

Product Name: NEBExpress® Ni-NTA Magnetic Beads
Catalog Number: S1423S
Concentration: 10 %
Packaging Lot Number: 10067059
Expiration Date: 03/2022
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 | 10056802 | Pass |
| B1077SVIAL | 2M Imidazole | 10065883 | Pass |
| B1076SVIAL | 2X IMAC Buffer | 10029706 | Pass |

| Assay Name/Specification | Lot # 10067059 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 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.



Alicia Bielik
Production Scientist
04 Feb 2020



Michael Tonello
Packaging Quality Control Inspector
04 Feb 2020