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## New England Biolabs Certificate of Analysis

Product Name: Ni-NTA Magnetic Beads

Catalog Number: \$1423L
Concentration: 10 %
Lot Number: 10043363
Expiration Date: 03/2022
Storage Temperature: 4°C

Storage Conditions: 20% Ethanol Specification Version: PS-S1423S/L v1.0

| Ni-NTA Magnetic Beads Component List |                       |            |                      |
|--------------------------------------|-----------------------|------------|----------------------|
| <b>NEB Part Number</b>               | Component Description | Lot Number | Individual QC Result |
| S1423SVIAL                           | Ni-NTA Magnetic Beads | 10029434   | Pass                 |
| B1077LVIAL                           | 2M Imidazole          | 10039063   | Pass                 |
| B1076SVIAL                           | 2X IMAC Buffer        | 10029706   | Pass                 |

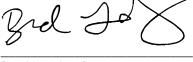
| Assay Name/Specification  | Lot # 10043363 |
|---|----------------|
| Functional Binding Assay (Qualitative) Ni-NTA Magnetic Beads ( 50 μl ) were equilibrated and incubated with 200 μl of crude extract from E. coli containing a plasmid that expresses a His6-LysRS fusion protein for 30 minutes at 25°C, then washed, eluted and evaluated by SDS-PAGE to confirm low non-specific binding of extract proteins and high isolation of target.    | Pass           |
| 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           |

This product has been tested and shown to be in compliance with all specifications.



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Brad Landgraf Production Scientist 06 Mar 2019 Michael Tonello

Michael Tonello

Packaging Quality Control Inspector 26 Apr 2019