

## New England Biolabs Certificate of Analysis

Product Name: NEBExpress<sup>®</sup> Ni Spin Columns  
 Catalog Number: S1427S  
 Packaging Lot Number: 10067690  
 Expiration Date: 02/2022  
 Storage Temperature: 4°C  
 Storage Conditions: 20% Ethanol  
 Specification Version: PS-S1427S/L v1.0

| NEBExpress <sup>®</sup> Ni Spin Columns Component List |  |            |                      |
|--|--|------------|----------------------|
| NEB Part Number  | Component Description                  | Lot Number | Individual QC Result |
| S1427SVIAL   | NEBExpress <sup>®</sup> Ni Spin Column | 10066835   | Pass                 |
| B1077SVIAL   | 2M Imidazole                           | 10065883   | Pass                 |
| B1076SVIAL   | 2X IMAC Buffer                         | 10065882   | Pass                 |

| Assay Name/Specification   | Lot # 10067690 |
|--|----------------|
| <p><b>Functional Binding Assay (Qualitative)</b><br/>           NEBExpress<sup>™</sup> Ni Spin Columns ( 100 µl bed volume ) were equilibrated and incubated with 500 µl of crude extract from E. coli containing a plasmid that expresses a His6-GluRS fusion protein for 15 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.</p> | Pass           |
| <p><b>Binding Capacity (Resin)</b><br/>           NEBExpress<sup>™</sup> Ni Spin Columns ( 100 µl bed volume ) were equilibrated and incubated with 500 µl of crude extract from E. coli containing a plasmid that expresses a His6-GluRS fusion protein for 15 minutes at 25°C, then washed and the His6-GluRS fusion protein eluted. Binding capacity was determined to be ≥1.0 mg of target protein per column.</p>                 | Pass           |

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



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Brad Landgraf  
Production Scientist  
05 Feb 2020



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Michael Tonello  
Packaging Quality Control Inspector  
20 Feb 2020