

## New England Biolabs Certificate of Analysis

Product Name: *NEBExpress<sup>®</sup> Ni Spin Columns*  
 Catalog Number: *S1427L*  
 Packaging Lot Number: *10069209*  
 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
B1077LVIAL	2M Imidazole	10065884	Pass
B1076SVIAL	2X IMAC Buffer	10069031	Pass

Assay Name/Specification	Lot # 10069209
<p><b>Binding Capacity (Resin)</b>            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
<p><b>Functional Binding Assay (Qualitative)</b>            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

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



---

Brad Landgraf  
Production Scientist  
05 Feb 2020



---

Michael Tonello  
Packaging Quality Control Inspector  
17 Mar 2020