

## New England Biolabs Certificate of Analysis

Product Name: NEBExpress<sup>®</sup> Ni Spin Columns  
Catalog Number: S1427S  
Packaging Lot Number: 10219381  
Expiration Date: 11/2025  
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	10212876	Pass
B1077SVIAL	2M Imidazole	10197450	Pass
B1076SVIAL	2X IMAC Buffer	10197448	Pass

Assay Name/Specification	Lot # 10219381
<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.

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Maxwell Elkus  
Production Scientist  
17 Nov 2023



Josh Hersey  
Packaging Quality Control Inspector  
11 Dec 2023