

## New England Biolabs Certificate of Analysis

Product Name: NEBExpress® Ni Spin Columns  
 Catalog Number: S1427L  
 Packaging Lot Number: 10221752  
 Expiration Date: 11/2025  
 Storage Temperature: 4°C  
 Storage Conditions: 20% Ethanol  
 Specification Version: PS-S1427S/L v1.0

NEBExpress® Ni Spin Columns Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1427SVIAL	NEBExpress® Ni Spin Column	10212876	Pass
B1077LVIAL	2M Imidazole	10197449	Pass
B1076SVIAL	2X IMAC Buffer	10197448	Pass

Assay Name/Specification	Lot # 10221752
<p><b>Binding Capacity (Resin)</b>            NEBExpress™ 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™ 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



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Michael Tonello  
Packaging Quality Control Inspector  
11 Jan 2024