

## New England Biolabs Certificate of Analysis

**Product Name:** NEBExpress® Ni Spin Columns  
**Catalog Number:** S1427L  
**Packaging Lot Number:** 10234851  
**Expiration Date:** 02/2026  
**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	10227386	Pass
B1077LVIAL	2M Imidazole	10229001	Pass
B1076SVIAL	2X IMAC Buffer	10229003	Pass

Assay Name/Specification	Lot # 10234851
<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.	Pass
<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.	Pass

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

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Maxwell Elkus  
Production Scientist  
12 Feb 2024



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Michael Tonello  
Packaging Quality Control Inspector  
20 Mar 2024