

## New England Biolabs Certificate of Analysis

**Product Name:** NEBExpress<sup>®</sup> Ni Spin Columns  
**Catalog Number:** S1427S  
**Packaging Lot Number:** 10178722  
**Expiration Date:** 11/2024  
**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	10169738	Pass
B1077SVIAL	2M Imidazole	10173906	Pass
B1076SVIAL	2X IMAC Buffer	10173905	Pass

Assay Name/Specification	Lot # 10178722
<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.	Pass
<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.	Pass

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.



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29 Nov 2022



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Michael Tonello  
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15 Feb 2023