

## New England Biolabs Certificate of Analysis

**Product Name:** NEBExpress<sup>®</sup> Ni-NTA Magnetic Beads  
**Catalog Number:** S1423S  
**Concentration:** 10 %  
**Packaging Lot Number:** 10183763  
**Expiration Date:** 07/2025  
**Storage Temperature:** 4°C  
**Storage Conditions:** 20% Ethanol  
**Specification Version:** PS-S1423S/L v1.0

NEBExpress <sup>®</sup> Ni-NTA Magnetic Beads Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1423SVIAL	NEBExpress <sup>™</sup> Ni-NTA Magnetic Beads	10170348	Pass
B1077SVIAL	2M Imidazole	10157971	Pass
B1076SVIAL	2X IMAC Buffer	10173905	Pass

Assay Name/Specification	Lot # 10183763
<b>Binding Capacity (Magnetic Beads)</b> Ni-NTA Magnetic Beads ( 50 µl ) were equilibrated and incubated with 200 µl of crude extract from E. coli containing a plasmid that expresses a His6-LysRS fusion protein for 30 minutes at 25°C, then washed and the His6-LysRS fusion protein eluted. Binding capacity was determined to be >7.5 mg of target protein per mL of bed volume.	Pass
<b>Functional Binding Assay (Qualitative)</b> Ni-NTA Magnetic Beads ( 50 µl ) were equilibrated and incubated with 200 µl of crude extract from E. coli containing a plasmid that expresses a His6-LysRS fusion protein for 30 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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19 Jul 2022



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Michael Tonello  
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10 Apr 2023