

## New England Biolabs Certificate of Analysis

**Product Name:** NEBExpress™ Ni-NTA Magnetic Beads  
**Catalog Number:** S1423S  
**Concentration:** 10 %  
**Packaging Lot Number:** 10065736  
**Expiration Date:** 03/2022  
**Storage Temperature:** 4°C  
**Storage Conditions:** 20% Ethanol  
**Specification Version:** PS-S1423S/L v1.0

NEBExpress™ Ni-NTA Magnetic Beads Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1423SVIAL	NEBExpress™ Ni-NTA Magnetic Beads	10056802	Pass
B1077SVIAL	2M Imidazole	10055325	Pass
B1076SVIAL	2X IMAC Buffer	10055324	Pass

Assay Name/Specification	Lot # 10065736
<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
<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

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



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Alicia Bielik  
Production Scientist  
21 Jan 2020



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Michael Tonello  
Packaging Quality Control Inspector  
21 Jan 2020