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New England Biolabs Certificate of Analysis

Product Name: NEBExpress® Ni-NTA Magnetic Beads

Catalog Number: \$1423L
Concentration: 10 %
Packaging Lot Number: 10153423
Expiration Date: 07/2024
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	10111874	Pass	
B1077LVIAL	2M Imidazole	10140246	Pass	
B1076SVIAL	2X IMAC Buffer	10137018	Pass	

Assay Name/Specification	Lot # 10153423
Binding Capacity (Magnetic Beads)	Pass
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.	
Functional Binding Assay (Qualitative)	Pass
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.	

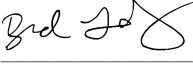
This product has been tested and shown to be in compliance with all specifications.

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Brad Landgraf Production Scientist 16 Jun 2022 Michael Tonello

Packaging Quality Control Inspector

16 Jun 2022

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