Product Name: Ni-NTA Magnetic Beads
Catalog Number: S1423L
Concentration: 10 %
Lot Number: 10043363
Expiration Date: 03/2022
Storage Temperature: 4°C
Storage Conditions: 20% Ethanol
Specification Version: PS-S1423S/L v1.0

Ni-NTA Magnetic Beads Component List
<table>
<thead>
<tr>
<th>NEB Part Number</th>
<th>Component Description</th>
<th>Lot Number</th>
<th>Individual QC Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1423SVIAL</td>
<td>Ni-NTA Magnetic Beads</td>
<td>10029434</td>
<td>Pass</td>
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<tr>
<td>B1077LVIAL</td>
<td>2M Imidazole</td>
<td>10039063</td>
<td>Pass</td>
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<tr>
<td>B1076SVIAL</td>
<td>2X IMAC Buffer</td>
<td>10029706</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Assay Name/Specification | Lot # 10043363
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.

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.

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