Athena HILIC

[ Suitable for analysis of strong polar substances ]

Hydrophilic interaction liquid chromatography (HILIC) is a kind of liquid chromatography analytical method for strong polar and strong hydrophilic compounds separation. Sometimes, it is difficult to retain polar compound on reverse-phase column and ion pair reagent cannot be added to mobile phase in LC/MS analysis. When use normal phase chromatography for analysis, polar and hydrophilic compounds are often difficult to be dissolved in conventional normal phase solvents. This time HILIC will be considered to use for analysis.

In three Athena HILIC stationary phases, Athena HILIC is strong alkaline, Athena HILIC (2) is weak alkaline, Athena HILIC (3) is neutral.

<table>
<thead>
<tr>
<th>Packings</th>
<th>Athena HILIC</th>
<th>Athena HILIC(2)</th>
<th>Athena HILIC(3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Particle diameter (μm)</td>
<td>3 and 5</td>
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<td>5</td>
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<tr>
<td>Pore size (Å)</td>
<td>120</td>
<td>120</td>
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<tr>
<td>Pore volume (mL/g)</td>
<td>1.0</td>
<td>1.0</td>
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<tr>
<td>Specific surface area (m²/g)</td>
<td>300</td>
<td>300</td>
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<tr>
<td>Metallic impurities (ppm)</td>
<td>&lt;10</td>
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<tr>
<td>Carbon content</td>
<td>8.6%</td>
<td>8%</td>
<td>16%</td>
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<tr>
<td>pH range</td>
<td>1.5 - 8</td>
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<tr>
<td>Temperature range (°C)</td>
<td>20 - 60</td>
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Melamine

Column: Athena HILIC (3) 4.6 x 250mm, 5µm (8.462527.0001)
Mobile phase: acetonitrile / 10 mM ammonium acetate (90/10)
Flow rate: 1.0 mL/min
Detection: 240 nm
Column temperature: 25 °C
## Ordering Information

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<tr>
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<th>Cat. No</th>
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