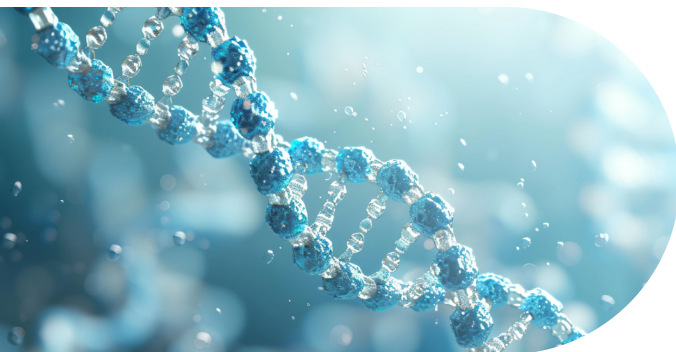


Caprisil Phenyl

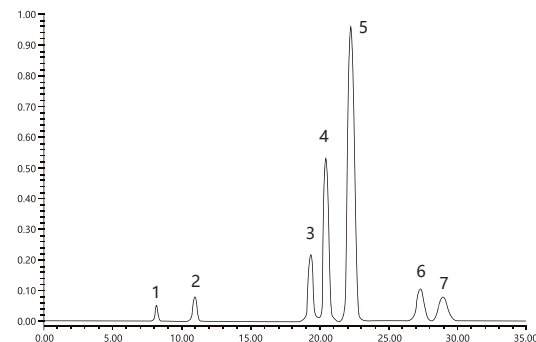


The Caprisil Phenyl column uses ultrapure silica gel as the matrix, with the phenyl group bonded to the surface of the silica gel via a propyl linker. The π - π interaction has complementary selectivity with the linear alkanes group, which can obtain unique selectivity for aromatic compounds, to obtain excellent peak shape and sensitivity, and broaden the application range of reverse phase chromatography.

- ♦ Ultra pure silica gel matrix;
- ♦ Unique separation by using π - π interactions;
- ♦ Effective for the separation of aromatic compounds and gardenia;
- ♦ No adsorption, trailing, easy to obtain good peak shape.

Application

Aromatic



Column: Caprisil Phenyl 250×4.6 mm, 5 μ m
 Mobile Phase: Methanol: Water (60: 40)
 Flow Rate: 1 mL/min
 Detector: UV@254nm
 Injection Volume: 10 μ l
 Samples: 1.Toluene 2.Biphenyl 3.Naphthalene 4.Phenanthrene
 5.Anthracene 6.Flureore 7.Fluoranthene

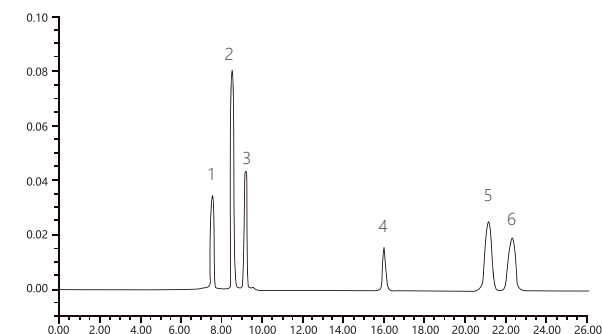
Caprisil Hexyl-Phenyl

The standard Phenyl phase of the Caprisil hexyl-phenyl phenyl column is bound to high-purity silica through a propyl bond forming a phenyl ring, resulting in only modest retention of hydrophobic compounds compared with the C18 column. To increase hydrophobic retention, longer chains, such as the hexyl group, are bonded to the phenyl ring, to increase the stability of the bonded phase and provide separation properties that are not available on ordinary alkyl columns.

- ♦ Novel silica gel matrix bonded to phenyl hexyl;
- ♦ High density bonded phenyl, providing high separation performance;
- ♦ High inertness, limited inhibition of adsorption of acidic and basic compounds, and strong retention;
- ♦ Can be used as the first choice for phenyl column.

Application

Aromatic



Column: Caprisil Hexyl-Phenyl 250×4.6 mm, 5 μ m
 Mobile Phase: Methanol : Water (60: 40)
 Flow Rate: 1 mL/min
 Detector: UV@254nm
 Injection Volume: 10 μ l
 Samples: 1.P-chlorophenol 2,2,4-Xylenol 3,2,6-Xylenol
 4.Toluene 5.O-xylene 6.Paraxylene

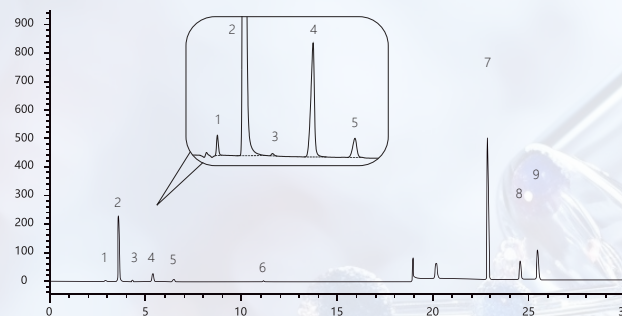
Stationary phase characteristics:

Phases	Caprisil Phenyl	Caprisil Hexyl-Pheny
Particle size(μ m)	3, 5, 10	3, 5, 10
Pore Size($\text{\AA}$)	100	100
Surface area(m^2 /g)	340	340
Carbon loading(%)	13.5	13.5
pH range	2 ~ 8	2 ~ 8

Note : we can able to provide customized columns .



Application



Column: CE553-OA 5 μ m 100Å 250×4.6mm

Mobile Phase:

Time	Acetonitrile	0.01mol/L NaH ₂ PO ₄ pH3.0
0-12	0	100
12-27	0 → 70	100 → 30
27-30	70	30
30-30.1	70 → 0	30 → 100
30.1-40	0	100

Flow Rate: 1.0mL/min

Detector: UV@210nm

Injection Volume: 10 μ L

Samples: 1. Tartaric acid 2. Uridine monophosphate 3. Fluoroacetic acid
4. Lactic acid 5. Citric acid 6. Succinic acid
7. M-Hydroxybenzoic acid 8. Salicylic acid
9. Benzoic acid

Caprisil OA

- ◆ Specialized column for organic acids;
- ◆ Offers different selectivities for the separation of various organic acids;
- ◆ Tolerant to acidic conditions with a long chromatographic column service life.

Stationary phase characteristics:

Phases	Caprisil OA
Particle size(μ m)	5
Pore Size(Å)	100
Surface area(m ² /g)	300
Carbon loading(%)	17
pH range	2 ~ 8

Note : we can able to provide customized columns .

Caprisil Phenyl Hexyl-Phenyl OA