

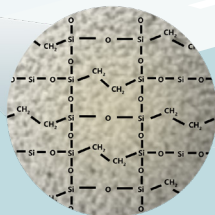
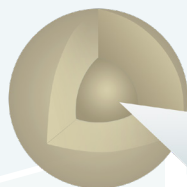
Caprisil C18-X / C18-XS / C8-X / C8-X (2) Caprisil-HILIC-X

The high chemical stability and hydrophobicity of the organic / inorganic hybrid unit have a great improvement in resisting hydrolytic corrosion at high pH. The hybrid particle technology can provide excellent peak shape and column efficiency, especially for basic compounds. At the same time, the stability of the chromatographic packing in the extreme mobile phase was improved, especially the resistance of the packing to the high pH mobile phase was greatly improved. Caprisil C18-X / C18-XS / C8-X / C8-X (2) provides exceptional peak shape and selectivity over a wide pH range (pH 1-12). Caprisil hilic-X provides pH range (pH 2-8).

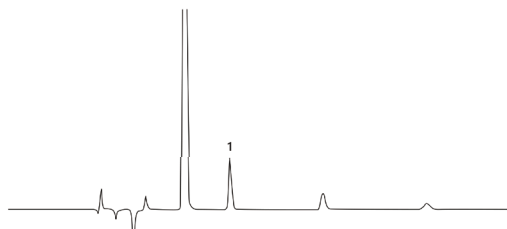
	C18-X	C18-XS	C8-X	C8-X(2)	HILIC-X
Surface Area	200 m ² /g	200 m ² /g	200 m ² /g	200 m ² /g	200 m ² /g
Pore Size	120 Å	120 Å	120 Å	120 Å	120 Å
End-capping	Yes	Yes	Yes	Yes	No
Carbon Loading	18%	19%	14%	13%	-
USP Code	L1	L1	L7	L7	L3
PH Range	1-12	1-12	1-12	1-12	2-8

Note : we can able to provide customized columns .

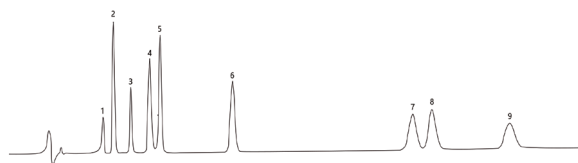
organic / inorganic hybrid silica gel particles, triple bond technology, wide pH range, stable and durable. A variety of bonded phases meet the broadest applicability.



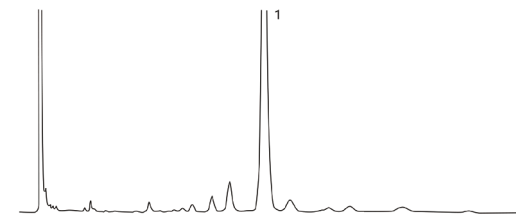
Application



Column: Caprisil C18-X 250×4.6mm, 5μm
Mobile phase: Methanol: water: trifluoroacetic = 5: 95: 0.1
(pH = 2.00)
Flow rate: 0.7 ml/min
Detector: UV 215nm
Injection volume: 10ul
Sample: 1.1-Ethyl-3-(3-dimethylaminopropyl)carbodiimide



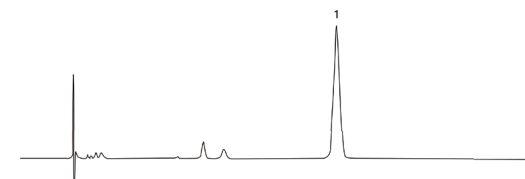
Column: Caprisil C18-X 250×4.6mm, 5μm
Mobile phase: Monopotassium phosphate solution (take 13.6 g potassium dihydrogen phosphate and 1L waer, mix well, measure the PH, keep the PH of the Monopotassium phosphate solution to 4.6)-acetonitrile (49:51)
Flow rate: 1 ml/min
Column temperature: 25 °C
Detector: UV 228nm
Injection volume: 20ul
Sample: 1. 1.m-nitrobenzaldehyde 2. Impurity VI 3. Impurity I
4. Impurity VII 5. Impurity II 6. Manidipine hydrochloride
7. Impurity IV 8. Impurity V 9. Impurity VIII



Column: Caprisil C18-X 250×4.6mm, 5μm
Mobile phase: acetonitrile/water (45/55)
Flow rate: 1 ml/min
Column temperature: 30 °C
Detector: UV 245nm
Injection volume: 5ul
Sample: 1.Emamectin



Column: Caprisil C8-X 250×4.6mm, 5μm
Mobile phase: 0.01mol/L disodium hydrogen phosphate solution (adjust PH to 7.6 with phosphoric acid) - acetonitrile (75:25)
Flow rate: 1 ml/min
Column temperature: 30 °C
Detector: UV 302nm
Injection volume: 20ul
Sample: 1. Omeprazole



Column: Caprisil-HILIC-X
Mobile phase: N-hexane-N-pentanol = 995:5
Flow rate: 1.5 ml/min
Detector: UV 265nm
Injection volume: 20ul
Sample: 1. VD3

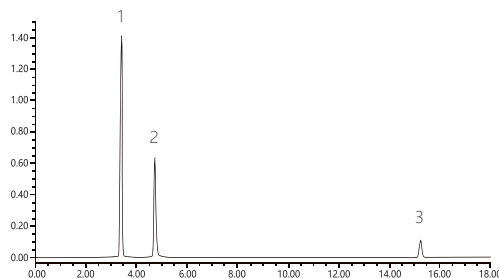
Caprisil C18-TH/C8-TH

Caprisil C18-TH uses an optimized bonding process to make the bonded phase more stable, not easy to fall off, with better pH stability (pH range 1.5-10.5), longer service life, and is ideal for separating trace impurities.

- ★ Good peak shape, suitable for most compounds and changes in conditions;
- ★ Excellent pH stability;
- ★ Acid and alkali resistance, long service life;
- ★ Suitable for separating trace impurities.

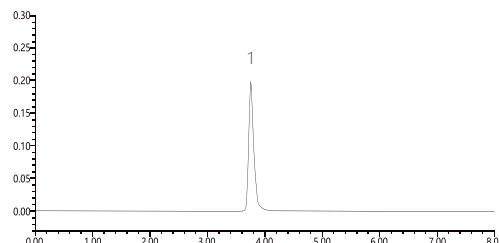
Application

Paracetamol



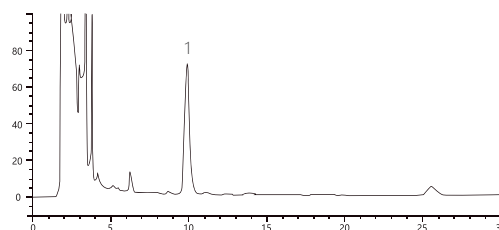
Column: Caprisil C18-TH 250×4.6 mm, 5μm
 Mobile Phase: Methanol: 0.05mM KH₂PO₄: triethylamine (10:90:0.02)
 (pH adjusted by phosphoric acid to 3.4)
 Detector: UV@215nm
 Injection Volume: 10μl
 Sample: 1.Chlorphenamine Maleate 2.Paracetamol
 3.P-aminophenol

Caffeine



Column: Caprisil C18-TH 250×4.6 mm, 5μm
 Mobile Phase: Methanol: Water (2:3)
 Flow Rate: 1 mL/min
 Detector: UV@272nm
 Injection Volume: 20μl
 Sample: 1.Caffeine

Morphine



Column: Caprisil C8-TH 250×4.6 mm, 5μm
 Mobile Phase: Acetonitrile: 0.01mol/L K₂HPO₄ solution : 0.005mol/L
 Sodium heptane sulfonate (20:40:40)
 Flow Rate: 1 mL/min
 Detector: UV@220nm
 Injection Volume: 10μl
 Sample: 1.Morphine

Stationary phase characteristics:

Phases	Caprisil C18-TH	Caprisil C8-TH
Particle size(μm)	3, 5	3, 5
Pore Size(Å)	100	100
Surface area(m ² /g)	350	350
Carbon loading (%)	19	12
pH range	1.5 ~ 10	1.5 ~ 10

Note : we can able to provide customized columns .

Caprisil

**C18-X / C18-XS /
C8-X / C8-X (2)**

HILIC-X

C18-TH/C8-TH

