

High-Speed Separation Columns

Inertsil Ph-3 2 μ m

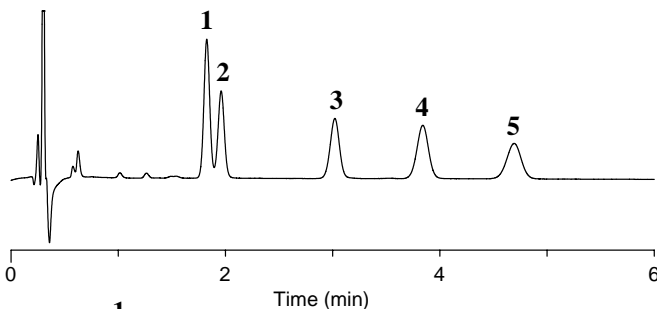
Ordinary phenyl columns are bonded with alkylphenyl groups. For our Inertsil Ph-3, phenyl groups are directly bonded the silica-gel to maximize the effect of an electron affinity. Inertsil Ph-3 shows inherent inertness and unique selectivity.



Base Silica Physical Properties and Chemical Modification

Base Silica: High Purity Silica Gel 99.999%
 Particle Size: 2 μ m
 Surface Area: 450 m²/g
 Pore Size: 100Å
 Pore Volume: 1.05 mL/g
 Bonded Phase: Phenyl Groups
 Carbon Loading: 9.5%
 Endcapped: No

Inertsil C8-3
 2 μ m, 50 \times 3.0 mm I.D.

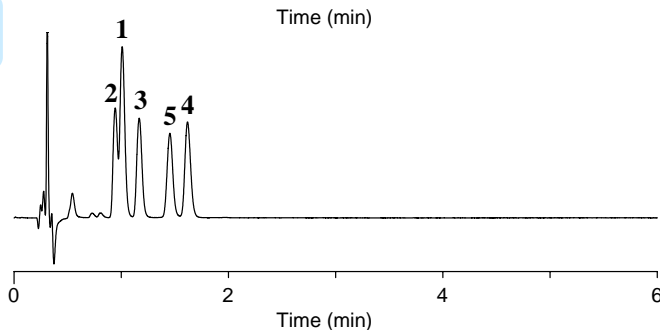


Conditions

System: GL-7400 system
 Columns: Inertsil C8-3, Ph-3
 Eluent: A: CH₃CN
 B: H₂O
 A/B = 50/50, v/v
 1.0 mL/min
 Detector: PDA 260 nm
 Inj. Vol.: 5 μ L
 Sample:
 1. Naphthalene
 2. Ethylbenzene
 3. n-Propylbenzene
 4. Anthracene
 5. n-butylbenzene

Flow rate:
 Detector:
 Inj. Vol.:
 Sample:

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 2 μ m, 50 \times 3.0 mm I.D.



Inertsil Ph-3 not only makes the analysis time shorter than C8-3, but also provides a unique retention for No.1 and No.4, which offers a different separation pattern.

Ordering Information

Length / I.D.	2.1mm I.D.	3.0mm I.D.
30mm	5020-85130	5020-85135
50mm	5020-85131	5020-85136
List Price JPY	54,000	54,000

* 100mm length can be manufactured upon request.