

Kromasil® Phenyl

For wettability and alternative selectivity

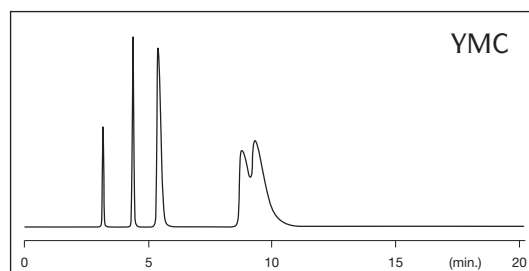
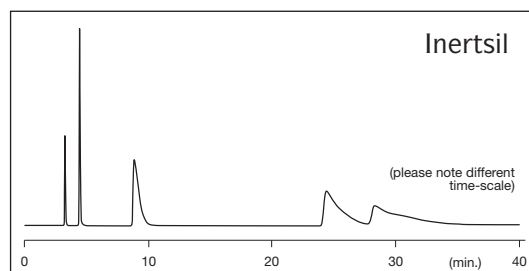
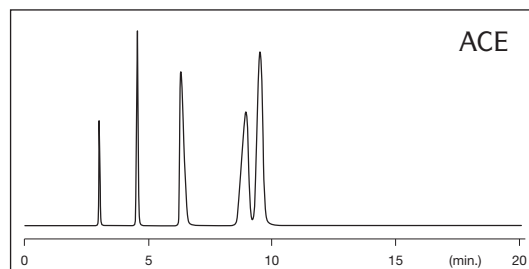
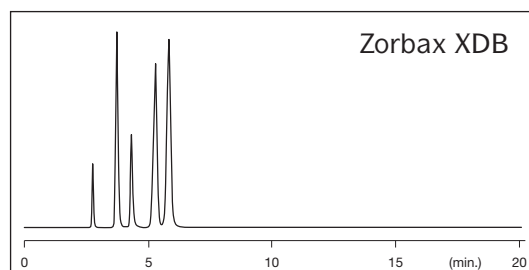
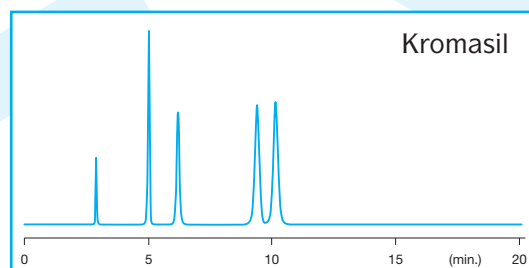
Kromasil Phenyl is developed to be the perfect alternative to present Kromasil RP phases. The phase is completely wettable, and compatible with 100% aqueous mobile phases. Kromasil Phenyl exhibits a unique selectivity for aromatic compounds, due to a possibility for π - π interactions between the phenyl bonded phase and the solute.

■ Low silanol activity

Kromasil Phenyl is derivatized using a mono-functional silane, followed by an extensive end-capping. The result is a stationary phase with high stability, high reproducibility, and symmetrical peaks for basic compounds.

A study of Kromasil Phenyl compared to “standard” phenyl phases was performed using a mix of anti-depressants. The anti-depressant test at pH 6 is a perfect indicator for silanol activity. The symmetrical peaks for Kromasil Phenyl under these conditions illustrate the very low silanol activity for this phase.

Kromasil Phenyl is based on the unique high performing and high purity Kromasil 100 Å Silica. It is available in 5 μ m, 10 μ m and 16 μ m particle sizes, as bulk and in slurry-packed columns from 2.1 mm ID up to 50 mm ID, all with analytical efficiency. Other particle sizes and pore sizes are available upon request!



Conditions: Column: 4.6 x 250 mm
Mobile phase: methanol/25 mM potassium phosphate pH 6 (80/20)
Flow rate: 1 ml/min Temperature: 20°C Detection: 215 nm
Sample of tricyclic antidepressants, in elution order: uracil, toluene (hydrophobic marker), nortriptyline, imipramine, amitriptyline

