

# KINGSORB

- For Availability and Ordering Information please contact your Phenomenex Technical Consultant.

## KROMASIL®\*

- High efficiency 3.5 µm silica particles available in C4, C8, C18 and Silica phases – identical bonding to 5 µm
- Very high loading capacity
- Excellent chemical and mechanical stability
- Popular for scale-up applications

Kromasil® is a spherical, totally porous silica manufactured by Eka Chemicals. Kromasil is available for analytical, preparative, and process scale chromatography.

Kromasil can withstand pHs up to 9.0 and has a narrow pore size distribution.

### Material Characteristics

Packing Material	Particle Shape/Size (µm)	Pore Size (Å)	Pore Volume (mL/g)	Surface Area (m <sup>2</sup> /g)	Carbon Load %	Calculated Bonded Phase Coverage (µmole/m <sup>2</sup> )	End Capping
Kromasil Silica	Spher. 3.5, 5, 7, 10, 13, 16	100	0.9	340	0	0	No
Kromasil C4	Spher. 3.5, 5, 7, 10, 13, 16	100	0.9	340	8	3.8	Yes
Kromasil C8	Spher. 3.5, 5, 7, 10, 13, 16	100	0.9	340	12	3.6	Yes
Kromasil C18	Spher. 3.5, 5, 7, 10, 13, 16	100	0.9	340	19	3.1	Yes
Kromasil NH <sub>2</sub>	Spher. 3.5, 5, 7, 10, 13, 16	100	0.9	340	—	—	No

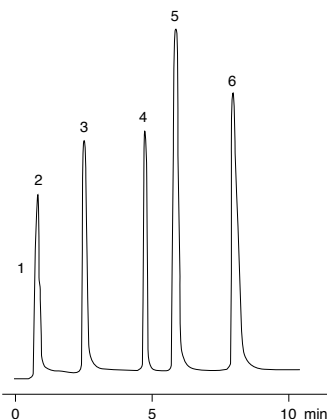
### 3.5 µm Phase for Fast Separations

- Same surface properties as other Kromasil phases
- Available as Silica, C4, C8, and C18

### Ion-Exchange Interactions

App ID 5393

**Column:** Kromasil 3.5 µm C18  
**Dimensions:** 150 x 4.6 mm  
**Part No.:** 00F-4283-E0  
**Mobile Phase:** Acetonitrile/10 mM sodium phosphate, pH 7.0 (60:40)  
**Flow Rate:** 1.5 mL/min  
**Detection:** UV @ 215 nm  
**Temp.:** 40 °C  
**Sample:**  
1. Uracil  
2. Phenylpropanolamine (3.0 µg)  
3. Nortriptyline (1.75 µg)  
4. Toluene (3.5 µg)  
5. Imipramine (3.9 µg)  
6. Amitriptyline (3.0 µg)



\*Kromasil® is a trademark of EKA Chemicals.