**Kromasil® 300 Å**

**SIL, C4, C8, C18**

High performance spherical silica for analytical to process scale liquid chromatography. RP Kromasil 300 Å is manufactured using monofunctional silanes, and is fully end-capped. This gives high reproducibility and chemical stability.

**PRODUCT CHARACTERISTICS**

**Particle sizes:**
5 µm, 10 µm, 16 µm

**Particle size distribution:**
(Electrical Sensing Zone Method)
\[\frac{dV_{90}}{dV_{10}} < 1.70 \quad (10, 16 \, \mu m)\]
\[< 1.55 \quad (5 \, \mu m)\]

**Spec surface area:**
110 m²/g  (multi-point BET)

**Pore volume:**
0.9 ml/g  (Mercury Intrusion Porosimetry)

**Pore size:**
300 Å  (Mercury Intrusion Porosimetry)

**Pore size distribution:**
80% ± 100 Å  (Mercury Intrusion Porosimetry)

**Chemical purity:**
Typical figures (AAS or ICP):
Na: < 10 ppm
Al: < 5 ppm
Fe: < 5 ppm

**Coverage:**
(elemental analysis)
C4: 2.9% C, 3.9 μmol/m²
C8: 4.7% C, 3.8 μmol/m²
C18: 8.7% C, 3.7 μmol/m²

**Chemical stability:**
Kromasil derivatized phases are stable between pH 1.5 and 10 and as high as 12 under certain conditions.

**Mechanical stability:**
Allows repeated packing at up to 500 bar.

**Packed density:**
SIL: 0.47 g/ml
C4: 0.48 g/ml
C8: 0.50 g/ml
C18: 0.52 g/ml

**PRODUCT CODES**

For ordering please use our code system:
Kromasil 300-X-Y
— 300 indicates 300 Å pore size
— X indicates particle size: 5 up to 16 µm
— Y indicates phase: SIL, C4, C8 or C18
(for example Kromasil 300-5-C18)

**DELIVERY**

Kromasil is delivered in polyethylene bottles or in polyethylene bags packed in fibre drums. Kromasil, patented by Eka Chemicals AB, is manufactured in multi-kilogram batches with high reproducibility.

The development, production and marketing of Kromasil are ISO 9001 certified.

© Eka Chemicals AB 2007
This publication may not be reproduced in any way without the consent of Eka Chemicals AB.