

# Kromasil 60 Å

## SIL, CN, Diol and HILIC-D

High performance spherical silica for analytical to process scale liquid chromatography, manufactured to give high reproducibility and chemical stability.

Functionalized Kromasil 60 Å is manufactured using mono- or trifunctional silanes.

### Product Characteristics

#### Particle sizes:

SIL:	5 µm, 7 µm, 10 µm, 13 µm and 16 µm
CN:	5 µm, 10 µm and 16 µm
Diol:	5 µm and 10 µm
HILIC-D:	5 µm and 10 µm

#### Particle size distribution:

(Coulter Multisizer)

dp [µm]	dp <sub>90</sub> /dp <sub>10</sub>
10, 13, 16	< 1.70
7	< 1.60
5	< 1.55

#### Spec surface area:

540 m<sup>2</sup>/g (multi-point BET)

#### Pore volume:

1.2 ml/g (N<sub>2</sub>-adsorption)

#### Pore size:

80 Å (N<sub>2</sub>-adsorption)

#### Pore size distribution:

80% ± 15 Å (N<sub>2</sub>-adsorption)

#### Coverage:

(elemental analysis)

CN:	12% C,	2.3% N,	3.8 µmol/m <sup>2</sup>
Diol:	10% C,	3.5 µmol/m <sup>2</sup>	
HILIC-D:	10% C,	3.5 µmol/m <sup>2</sup>	

#### Chemical purity:

Typical figures (AAS or ICP):

Na: < 10 ppm

Al: < 5 ppm

Fe: < 5 ppm

#### Mechanical stability:

Allows repeated packing at  
up to 700 bar (10 000 psi)

#### Packed density:

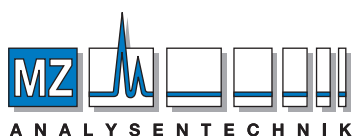
SIL:	0.45 g/ml
CN:	0.52 g/ml
Diol:	0.53 g/ml
HILIC-D:	0.53 g/ml

### Delivery

Kromasil bulk is delivered in polyethylene bottles or in polyethylene bags packed in plastic drums.

Kromasil, patented by Akzo Nobel Pulp and Performance Chemicals AB, is manufactured in multi-kilogram batches with high reproducibility.

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



#### AUTHORIZED DISTRIBUTOR

MZ-Analysentechnik GmbH, Barcelona-Allee 17 • D-55129 Mainz  
Tel +49 6131 880 96-0, Fax +49 6131 880 96-20  
e-mail: info@mz-at.de, www.mz-at.de