Kromasil® 60 Å

SIL, CN, Diol

High performance spherical silica for analytical to process scale liquid chromatography. RP Kromasil 60 Å is manufactured using monofunctional silanes giving high reproducibility and chemical stability.

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 and10 µm

Particle size distribution:
(Coulter Multisizer)
dp_{90}/dp_{10}: < 1.70 (10, 13, 16 µm)
< 1.60 (7 µm)
< 1.55 (5 µm)

Spec surface area:
540 m^2/g (multi-point BET)

Pore volume:
1.2 ml/g (N_2-adsorption)

Pore size:
80 Å (N_2-adsorption)

Pore size distribution:
80% ± 15 Å (N_2-adsorption)

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

Coverage:
(elemental analysis)
CN: 12% C, 2.3% N, 3.8 µmol/m^2
Diol: 10% C, 3.5 µmol/m^2

Mechanical stability:
Allows repeated packing at up to 700 bar (10,000 psi)

Packed density:
SIL: 0.45 g/ml
CN: 0.48 g/ml
Diol: 0.53 g/ml

PRODUCT CODES

For ordering please use our code system:
Kromasil 60-X-Y
— 60 indicates 60 Å pore size
— X indicates particle size: 5 to 16 µm
— Y indicates phase: SIL, CN or Diol
(for example Kromasil 60-5-CN)

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.

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