

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 and 10 µm

Particle size distribution:

(Coulter Multisizer)

dp₉₀/dp₁₀: < 1.70 (10, 13, 16 µm)

< 1.60 (7 µm)

< 1.55 (5 µm)

Spec surface area:

540 m²/g (multi-point BET)

Pore volume:

1.2 ml/g (N₂-adsorption)

Pore size:

80 Å (N₂-adsorption)

Pore size distribution:

80% ± 15 Å (N₂-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/m²

Diol: 10% C, 3.5 µmol/m²

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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