

Kromasil Chiral

AmyCoat and CelluCoat

High performance super wide pore spherical silica for analytical to process scale liquid chromatography. Kromasil Chiral is manufactured using adsorbed polysaccharide phases for high chiral selectivity.

Product characteristics

Chiral selector

AmyCoat: tris-(3,5-dimethylphenyl)
carbamoyl amylose

CelluCoat: tris-(3,5-dimethylphenyl)
carbamoyl cellulose

Particle sizes

| Phase | Particle size [µm] | | | |
|-----------|--------------------|---|----|----|
| | 3 | 5 | 10 | 25 |
| AmyCoat | • | • | • | • |
| CelluCoat | • | • | • | • |

Spec surface area

Proprietary data

Pore size

Proprietary data

Mechanical stability

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

Packed density

AmyCoat: 0.58 g/ml
CelluCoat: 0.58 g/ml

Chemical stability

Compatible mobile phases for AmyCoat and/or CelluCoat in volume/volume.

Kromasil AmyCoat and CelluCoat

| | |
|--------------------------------|----------------|
| alkane/2-propanol | 100/0 to 0/100 |
| alkane/ethanol | 100/0 to 0/100 |
| alkane/methanol ² | 100/0 to 0/100 |
| alkane/MTBE | 100/0 to 50/50 |
| ethanol/methanol | 100/0 to 0/100 |
| (SFC) CO ₂ /alcohol | 100/0 to 50/50 |

Kromasil AmyCoat only

| | |
|-----------------------|----------------------------------|
| acetonitrile/methanol | 0/100 to 15/85 85/15 to 100/0 |
|-----------------------|----------------------------------|

| | |
|-------------------------|----------------|
| acetonitrile/2-propanol | 100/0 to 0/100 |
| ethanol/MTBE | 100/0 to 70/30 |

Kromasil CelluCoat only

| | |
|-----------------------|----------------|
| acetonitrile/methanol | 85/15 to 100/0 |
| ethanol/MTBE | 100/0 to 50/50 |

Delivery

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

Kromasil, patented by Nouryon, is manufactured in multi-kilogram batches with high reproducibility.

The management system for the development, production and marketing of Kromasil is ISO 9001 certified. The Kromasil production site is ISO 14 001 certified.