

# 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 <sup>2</sup>	100/0 to 0/100
alkane/MTBE	100/0 to 50/50
ethanol/methanol	100/0 to 0/100
(SFC) CO <sub>2</sub> /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 Kromasil production is ISO 9001 and ISO 14 001 certified.