

GROM-SIL 80 ODS-7 AQ

GROM-SIL 80 ODS-7 AQ is a high purity, spherical silica gel with a polymeric C18-coating and polar surface groups to enhance selectivity.

Particle size:	3 or 5 μm
Pore size:	80 \AA
Pore volume:	1.0 ml / g
Surface area:	510 m^2 / g
Carbon content:	17%
pH range:	2 - 8

Properties: As a result of its polar surface, this material can be used without loss of stability or long-term reproducibility, even when 100% aqueous eluents are employed. The polar nature of this stationary phase extends the retention time and the selectivity for polar compounds (acidic und basic substances) in comparison to normal C18 phases. It is also outstanding for natural substances such as peptides, proteins und nucleotides. **The above average lifetime** of this phase is of particular note, even **at low pH values**. This has been demonstrated time and again in various practical applications.

Stationary Phase:	GROM-SIL 80 ODS-7 AQ, 5 μm
Column:	50 x 2.0 mm
Eluent:	MeOH / 0.1 % TFA = 5 / 95
Flow rate:	0.40 ml / min
Detection:	UV, 254 nm
Sample:	1. Thiamine 2. Nicotinic acid 3. Pyridoxine 4. Niacinamide

