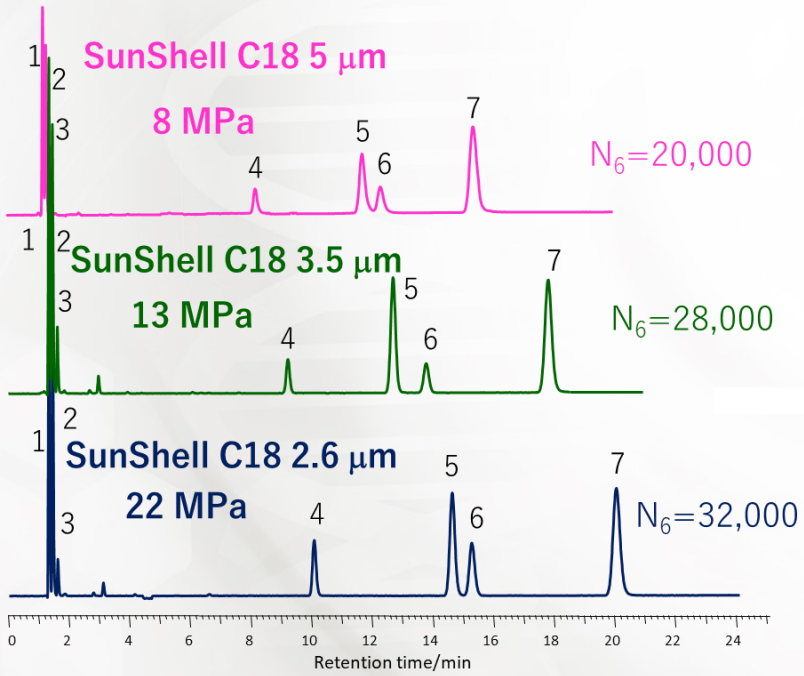
ChromaNik Technologies Inc.

SunShell C18 3.5 µm

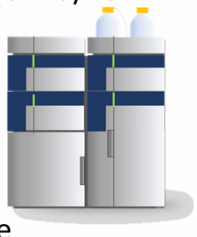
NEW

Characteristics of SunShell C18

	Core shell silica			C18 (USP L1)				
	Particle size	Pore diameter	Specific surface area	Carbon content	Bonded phase	End-capping	Maximum operating pressure	Available pH range
SunShell C18 2 µm	2.0 µm	9 nm	120 m^2/g	6.5%	C18	Sunniest endcapping	100 MPa or 14504 psi	1.5 - 10
SunShell C18 2.6 µm	2.6 µm	9 nm	150 m^2/g	7%	C18	Sunniest endcapping	60 MPa or 8,570 psi	1.5 - 10
NEW SunShell C18 3.5 µm	3.5 µm	9 nm	120 m^2/g	6.5%	C18	Sunniest endcapping	60 MPa or 8,570 psi	1.5 - 10
SunShell C18 5 µm	4.6 µm	9 nm	90 m^2/g	5.5%	C18	Sunniest endcapping	50 MPa or 7,141 psi	1.5 - 10



Column size: 150 x 4.6 mm
Mobile phase: CH_3OH/H_2O=75/25
Flow rate: 1.0 mL/min
Temperature: 40 °C
Sample: 1 = Uracil
2 = Caffeine
3 = Phenol
4 = Butylbenzene
5 = o-Terphenyl
6 = Amylbenzene
7 = Triphenylene
HPLC: Conventional HPLC instrument
(Tubing, 0.25 mm i.d.)



Enables great performance even with a conventional HPLC.

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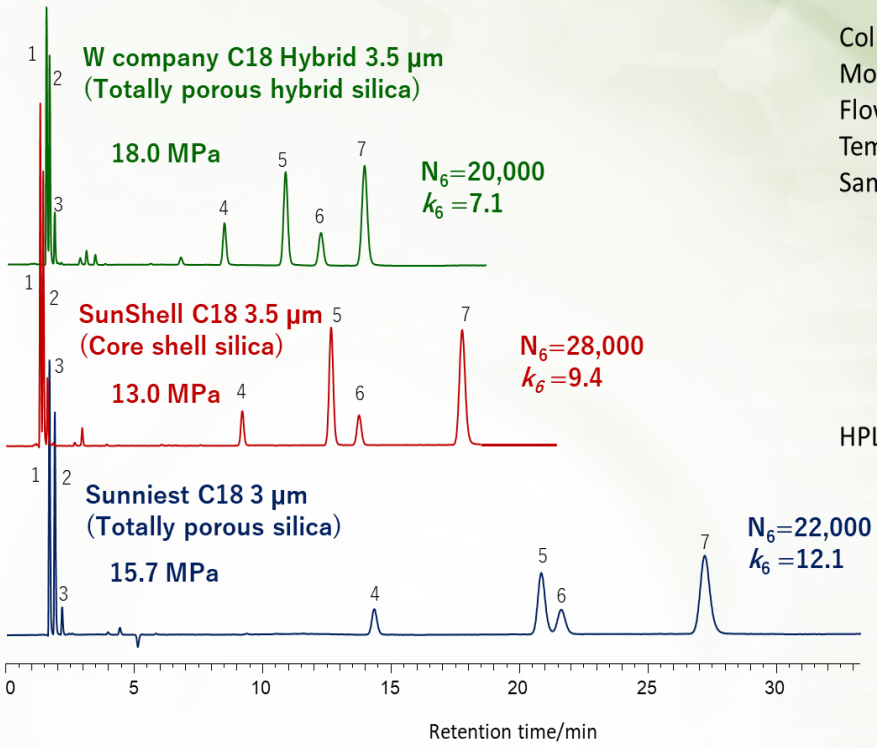
Comparison of totally porous C18 and core shell C18 columns



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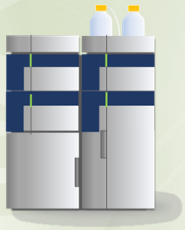
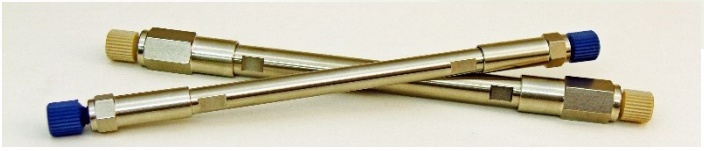


★SunShell C18 3.5 µm column showed the highest theoretical plate and the lowest back pressure.



Ordering information of SunShell

	Inner diameter (mm)	1.0	2.1	3.0	4.6	USP category
	Length (mm)	Catalog number	Catalog number	Catalog number	Catalog number	
SunShell C18, 2 µm	50	------	CB1941	------	------	L1
	100	------	CB1961	------	------	
	150	------	CB1971	------	------	
SunShell C18, 2.6 µm	30	------	CB6931	CB6331	CB6431	
	50	CB6141	CB6941	CB6341	CB6441	
	75	------	CB6951	CB6351	CB6451	
	100	CB6161	CB6961	CB6361	CB6461	
	150	CB6171	CB6971	CB6371	CB6471	
	250	------	------	CB6381	CB6481	
SunShell C18 3.5 µm	50	------	CB9941	------	------	
	100	------	CB9961	CB9361	CB9461	
	150	------	CB9971	CB9371	CB9471	
	250	------	------	CB9381	CB9481	
SunShell C18, 5 µm	150	------	------	CB3371	CB3471	
	250	------	------	CB3381	CB3481	

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