

SunFire Columns

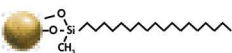
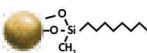

SunFire Columns set the standard for state-of-the-art bonded C₁₈ and C₈ silica HPLC columns. Benefiting from years of research and product development, SunFire Columns deliver industry-leading levels of chromatographic performance, representing the best in particle and bonding expertise.

SunFire Columns offer:

- Excellent low-pH stability
- High chromatographic efficiency
- Superior peak shapes for charged analyte species



Column Characteristics

	C ₁₈ , 100 Å	C ₈ , 100 Å	Silica, 100 Å
	HPLC: 2.5, 3.5, 5, 10 µm	HPLC: 2.5, 3.5, 5, 10 µm	HPLC: 5, 10 µm
Ligand Benefit	Highly efficient, general purpose for acids, bases, and neutrals with highest loading capacity in TFA mobile phases	General purpose, efficient and similar selectivity to C ₁₈ but with less compound retentivity	No ligand, general purpose separations of highly polar compounds for use in normal phase mode
Particle/Ligand			
Ligand Density*	3.5 µmol/m ²	3.5 µmol/m ²	N/A
Carbon Load*	16%	12%	N/A
Endcapped	Yes	Yes	No
USP Class No.	L1	L7	L3
pH Range	2–8	2–8	2–8
Temperature Limits	Low pH = 50 °C, High pH = 40 °C	Low pH = 40 °C, High pH = 40 °C	Low pH = 55 °C, High pH = 45 °C
Surface Area*	340 m ² /g	340 m ² /g	340 m ² /g
Performance Standards	Neutrals QC Reference Material p/n: 186006360	Neutrals QC Reference Material p/n: 186006360	—
Application Standards	Reversed-Phase QC Reference Material p/n: 186006363	Reversed-Phase QC Reference Material p/n: 186006363 HILIC QC Reference Material p/n: 186007226	—

*Expected or approximate value.