

Brownlee Validated Columns

Brownlee Validated HPLC columns are built on high purity, Type B silica with inherently low silanol activity and very consistent performance from lot-to-lot. This series of columns represent the most choices of stationary phases of any of the column lines offered by PerkinElmer. These columns exhibit excellent peak shapes for a wide range of compounds and are the best choice for pharmaceutical applications that deal with many basic and multi-functional compounds.

Features and Benefits

- Built on high purity, Type B silica for excellent peak shape for a wide range of compounds
- Recommended for pharmaceutical applications with basic and multi-functional compounds

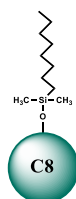
Material Characteristics

Phase	Particle Sizes (µm)	Pore Size (Å)	Carbon Load	End Capping	pH Stability	Temp. Limit (°C)	USP Code
Validated C8	5.0	100	12%	Yes	2.5 – 8.0	80	L7
Validated C18	3.0, 5.0	100	20%	Yes	2.5 – 8.0	80	L1
Validated Aq C18	3.0, 5.0	100	15%	No	2.5 – 8.0	80	L1
Validated Phenyl	3.0, 5.0	100	10%	Yes	2.5 – 8.0	80	L11

Brownlee Validated C8

The Validated C8 is a reverse-phase alkyl that provide less hydrophobic retention but better peak shape for basic compounds than a traditional C18. Like C18, C8 is a good general purpose reverse phase that is suitable for a wide range of compounds from acidic to slightly basic.

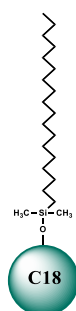
Particle Size (µm)	Length (mm)	ID (mm)	Part No.
5.0	100	4.6	N9303565
5.0	150	4.6	N9303567
5.0	250	4.6	N9303568



Brownlee Validated C18

The Validated C18 is a good general purpose reverse-phase column with moderate to high retention for hydrophobic compounds. The high purity, Type B silica has low silanol activity resulting in excellent peak shapes even for basic analytes. This phase is more retentive than C8 and recommended for a wide range of analytes from acidic to slightly basic.

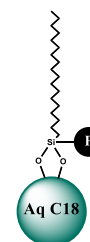
Particle Size (µm)	Length (mm)	2.1 mm ID Part No.	4.6 mm ID Part No.
3.0	100	N9303551	N9303552
5.0	100	N9303553	N9303554
5.0	150	N9303556	N9303558
5.0	200		N9303559
5.0	250	N9303560	N9303561



Brownlee Validated Aqueous C18

The Aqueous C18 contains a proprietary polar side chain functionally bonded C18 that provides a more well balanced retention profile for both polar and non-polar compounds than a traditional C18. This column can be used with a gradient to retain polar compounds that elute near the void time on a standard C18. The Aqueous C18 provides both high reproducibility and compatibility with a wide variety of mobile phases including 100% aqueous mobile phases. This is an excellent choice for the analysis of a wide variety of compounds by LC/MS screening.

Particle Size (µm)	Length (mm)	2.1 mm ID Part No.	4.6 mm ID Part No.
3.0	50	N9303541	N9303542
3.0	100	N9303537	N9303538
3.0	150	N9303539	
5.0	100		N9303544
5.0	150	N9303545	N9303546
5.0	250		N9303549



Brownlee Validated Phenyl

The Validated Phenyl is a high purity, highly retentive, base-deactivated phase with alternate selectivity to straight chain hydrocarbon phases, especially for aromatic compounds.

Particle Size (µm)	Length (mm)	4.6 mm ID Part No.
5.0	150	N9303606
5.0	250	N9303607

