

# New! 1.9 $\mu$ m Pinnacle™ DB C18

Small Particle HPLC Columns



- Pinnacle™ DB HPLC columns now available in a  $<2\mu$ m particle size!
- High quality, Restek manufactured silica and bonded phases.
- Optimize your ultra high pressure separations.
- Additional phases available—please inquire.



**Chromatography Products**

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## 1.9µm Pinnacle™ DB C18 HPLC Columns

Restek's popular Pinnacle™ DB HPLC columns are now available in a <2µm particle size.

Ruggedness and reproducibility are guaranteed, as we control every step in the process, from base silica to bonded phase to final packed column. The silica particles are classified and selected to give an exceptionally tight distribution around 1.9µm, while eliminating <1µm particles that can contribute to a poorly packed bed. Highly base-deactivated Pinnacle™ DB stationary phases are an excellent choice when analyzing a wide range of compounds, from acidic to basic. To optimize your ultra high pressure HPLC methods, reach for Restek small particle HPLC columns!

## 1.9µm Pinnacle™ DB C18 HPLC Columns

### Physical Characteristics:

particle size: 1.9µm	endcap: yes
pore size: 140Å	pH range: 2.5 - 10
carbon load: 11%	temperature limit: 80°C

### Chromatographic Properties:

Highly base-deactivated spherical silica manufactured by Restek. Monomeric C18 bonding.

Length	2.1mm ID cat.#
<b>1.9µm Columns</b>	
30mm	9414232
50mm	9414252
100mm	9414212

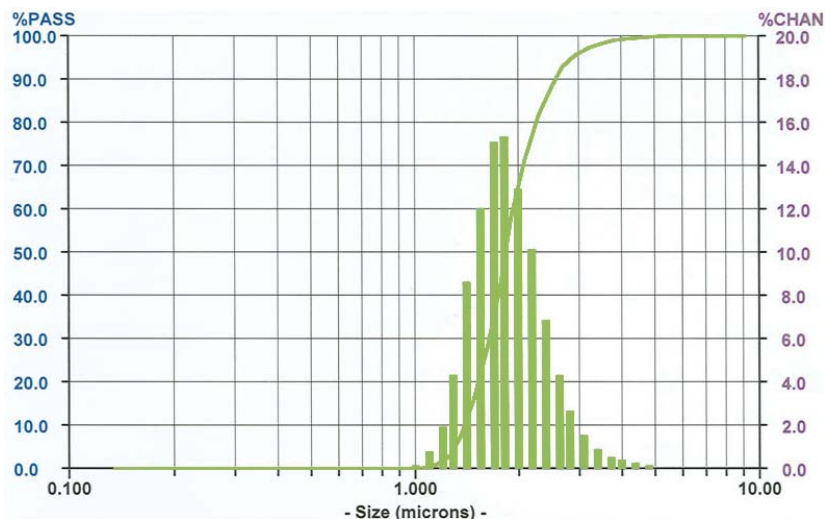
also available

Pinnacle™ DB C18 Columns also are available in 3µm and 5µm particle sizes.

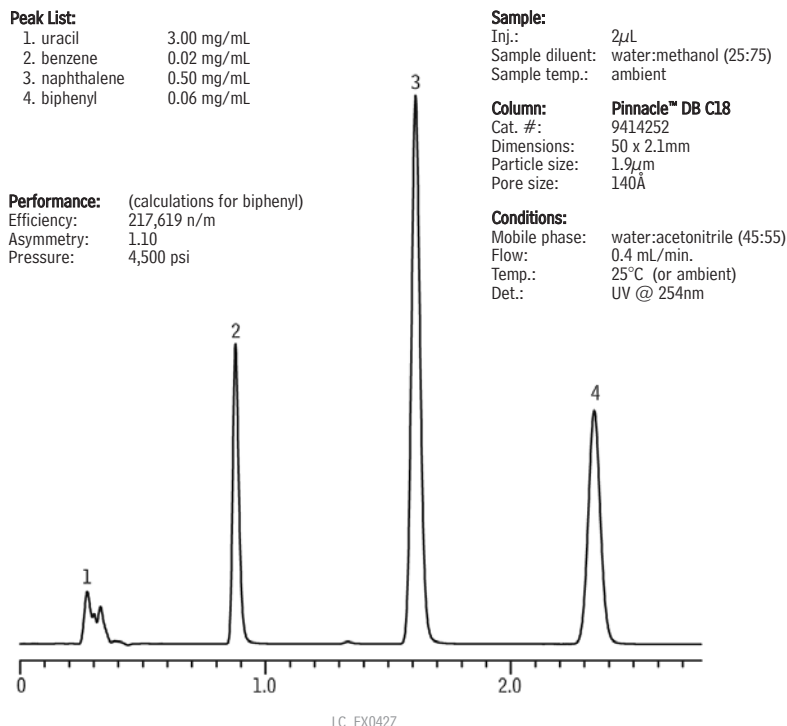
### Pinnacle™ DB C18 Columns (USP L1)

Length	2.1mm ID cat.#
<b>3µm Columns</b>	
30mm	9414332
50mm	9414352
100mm	9414312
<b>5µm Columns</b>	
30mm	9414532
50mm	9414552
100mm	9414512

**Figure 1**—Pinnacle™ DB silica particle size distribution chart shows an exceptionally tight, symmetrical distribution around 1.9µm with no <1µm particles.



**Figure 2**—Excellent peak symmetry and efficiency on a 1.9µm Pinnacle™ DB C18 column, using a reversed phase test mix.



Restek Trademarks: Pinnacle, Restek logo.

Available from: LECO Australia Pty Ltd - Ph: 61 2 9894 5955 - Fx: 61 2 9894 5247 - Email: australia@leco.com