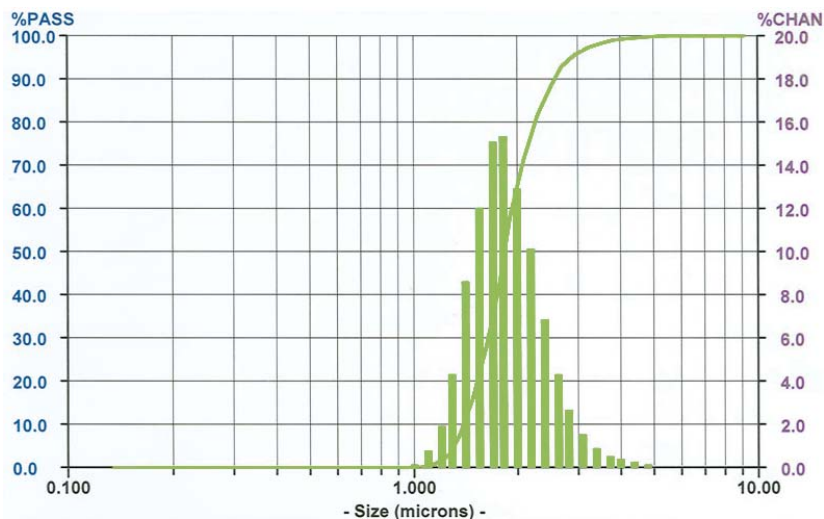


**Figure 1** Pinnacle™ DB silica particle size distribution chart shows an exceptionally tight, symmetrical distribution around 1.9µm with no <1µm particles.



**Rick Lake**  
Innovations Chemist  
3+ years of service!

HPLC COLUMNS

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

**Peak List:**

1. uracil	3.00 mg/mL
2. benzene	0.02 mg/mL
3. naphthalene	0.50 mg/mL
4. biphenyl	0.06 mg/mL

**Sample:**

Inj.: 2µL HPLC Reversed Phase Test Mix #1 (cat.# 35005)  
Sample diluent: water:methanol (25:75)  
Sample temp.: ambient

**Column:** Pinnacle™ DB C18

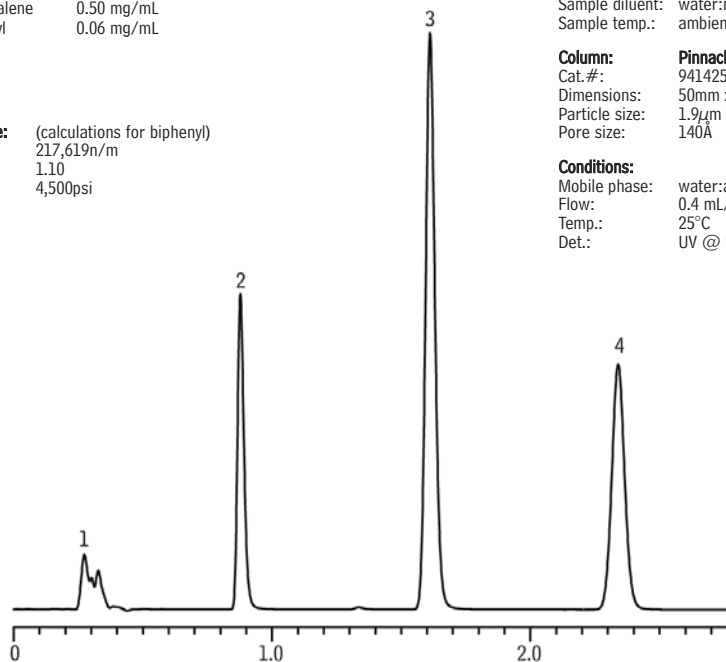
Cat.#: 9414252  
Dimensions: 50mm x 2.1mm  
Particle size: 1.9µm  
Pore size: 140Å

**Conditions:**

Mobile phase: water:acetonitrile (45:55)  
Flow: 0.4 mL/min.  
Temp.: 25°C  
Det.: UV @ 254nm

**Performance:** (calculations for biphenyl)

Efficiency: 217,619n/m  
Asymmetry: 1.10  
Pressure: 4,500psi



LC\_EX0427

for **more info**

For more information on the small particle advantage, visit [www.restek.com/uhplc](http://www.restek.com/uhplc).