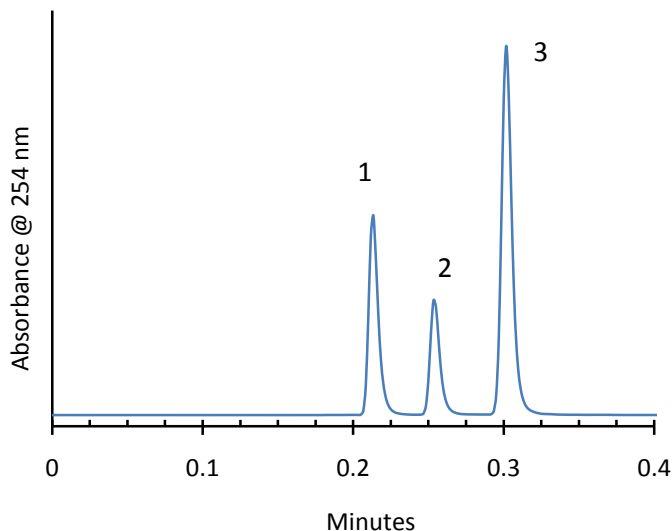


Application Note: 18-P

## Separation of Vanillins on HALO C-18



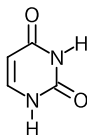
### PEAK IDENTITIES:

1. Uracil
2. Vanillin
3. *o*-Vanillin

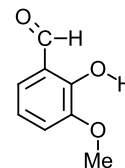
### TEST CONDITIONS:

Column: 4.6 x 50 mm, HALO C-18  
Part Number: 92814-402  
Mobile Phase: 35/65-- A/B  
A=water B= acetonitrile  
Flow Rate: 2.0 mL/min.  
Pressure: 166 Bar  
Temperature: 30°C  
Detection: UV 254 nm, VWD  
Injection Volume: 0.5 µL  
Sample Solvent: methanol  
Response Time: 0.02 sec.  
Flow Cell: 2.5 µL semi-micro  
LC System: Shimadzu Prominence UFLC XR  
Extra column volume: ~14 µL

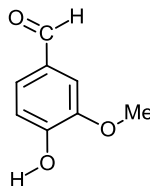
### STRUCTURES:



Uracil



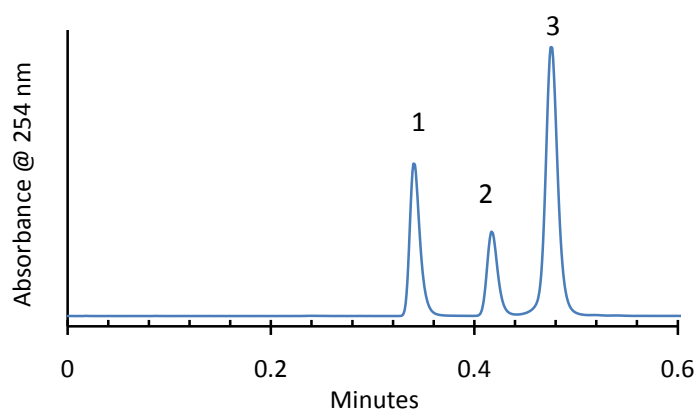
*o*-Vanillin



Vanillin

Application Note: 19-P

## Separation of Vanillins on HALO Phenyl Hexyl



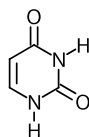
### PEAK IDENTITIES:

1. Uracil
2. Vanillin
3. *o*-Vanillin

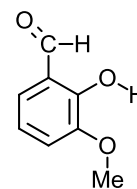
### TEST CONDITIONS:

Column: 4.6 x 50 mm, HALO Phenyl Hexyl  
Part Number: 92814-406  
Mobile Phase: 25/75-- A/B  
A=water B= methanol  
Flow Rate: 1.5 mL/min.  
Pressure: 196 Bar  
Temperature: 30°C  
Detection: UV 254 nm, VWD  
Injection Volume: 0.5 µL  
Sample Solvent: methanol  
Response Time: 0.02 sec.  
Flow Cell: 2.5 µL semi-micro  
LC System: Shimadzu Prominence UFLC XR  
Extra column volume: ~14 µL

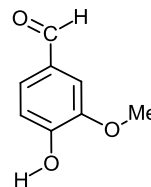
### STRUCTURES:



Uracil



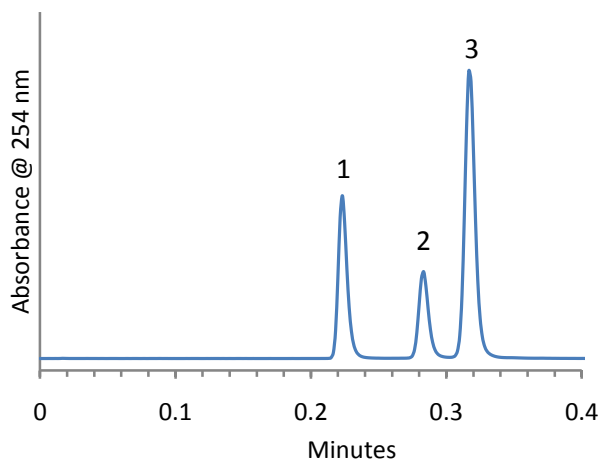
*o*-Vanillin



Vanillin

Application Note: 17-P

## Separation of Vanillins on HALO RP-Amide



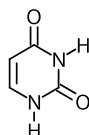
### PEAK IDENTITIES:

1. Uracil
2. Vanillin
3. *o*-Vanillin

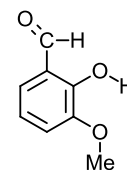
### TEST CONDITIONS:

Column: 4.6 x 50 mm, HALO RP-Amide  
Part Number: 92814-407  
Mobile Phase: 35/65-- A/B  
A=water B= acetonitrile  
Flow Rate: 2.0 mL/min.  
Pressure: 150 Bar  
Temperature: 30°C  
Detection: UV 254 nm, VWD  
Injection Volume: 0.5 µL  
Sample Solvent: methanol  
Response Time: 0.02 sec.  
Flow Cell: 2.5 µL semi-micro  
LC System: Shimadzu Prominence UFLC XR  
ECV: ~14 µL

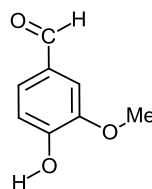
### STRUCTURES:



Uracil



*o*-Vanillin



Vanillin