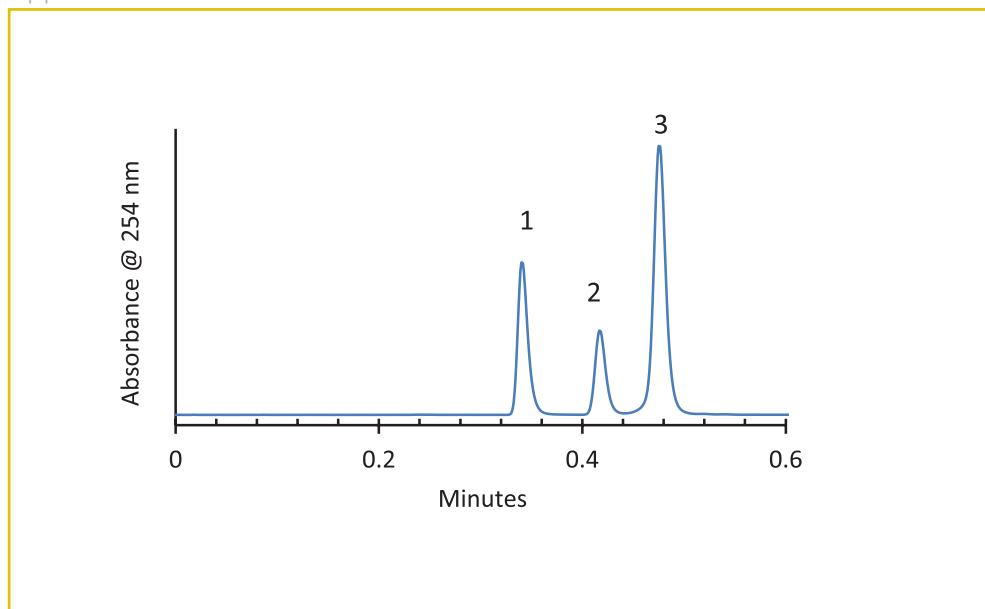




Separation of Vanillins on HALO® Phenyl-Hexyl Phase

Application Note 19-P



PEAK IDENTITIES:

1. Uracil
2. Vanillin
3. o-Vanillin

Vanillins are flavor components found in the extract from vanilla beans or in synthetic vanilla flavoring. Vanilla is a very popular flavor for ice cream and in the baking trade. HALO® Phenyl-Hexyl phase easily separates these two flavoring agents.

TEST CONDITIONS:

Column: HALO 90 Å Phenyl-Hexyl, 2.7 µm,
4.6 x 50 mm

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

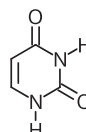
Response Time: 0.02 sec

Flow Cell: 2.5 µL semi-micro

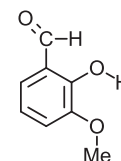
LC System: Shimadzu Prominence UFLC XR

Extra Column Volume: ~14 µL

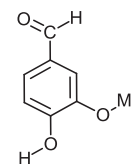
STRUCTURES:



Uracil



o-Vanillin



Vanillin

