Vitamin B6 complex

Application Note

Food Testing & Agriculture

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Introduction
HPLC separation of vitamin B6 complex on an Agilent Pursuit Diphenyl column in eight minutes.
Conditions

Column: Agilent Pursuit Diphenyl
Dimensions: 4.6 x 250 mm, 5 μm, Part No. A3040250X046
Mobile Phase: 5 mM Ammonium formate, pH 2.65:CH₃CN - 95:5
Flow Rate: 0.5 mL/min
Temperature: 40 °C
Detection: 254 nm

Peak identification
1. pyridoxamine
2. pyridoxal
3. pyridoxine (or pyridoxal or vitamin B6)