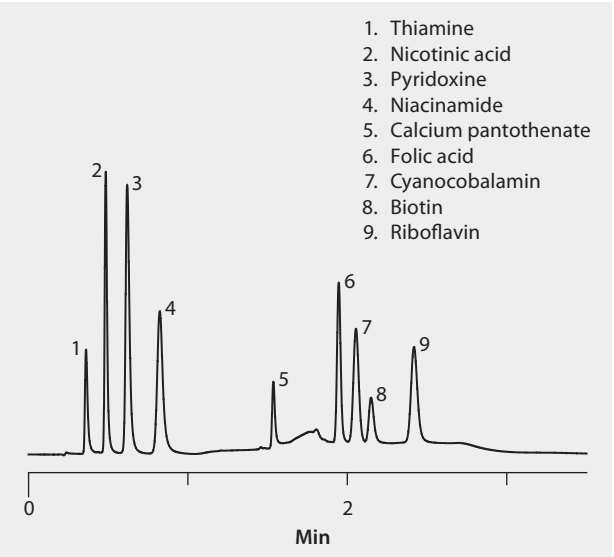
UHPLC Analysis of B-vitamins on Titan™ C18 using UV detection

column . . . . . TITAN C18, 50 mm x 2.1 mm I.D., x 1.9 µm particles (577122-U)
mobile phase . . . . . (A) 20 mM potassium phosphate, pH 3; (B) methanol
gradient . . . . . 0.5% B held for 0.5 minutes, to 30% B in 1.3 minutes, held at 30% B for 1 minute, held at 0.5% B for 0.8 minutes
flow rate . . . . . 0.5 mL/min
pressure . . . . . 7977 psi (550 bar)
column temp. . . . . 30 °C
detector . . . . . UV, 210 nm
injection . . . . . 0.5 µL
sample . . . . . 100 ug/mL of all vitamins except 250 ug/mL of calcium pantothenate, biotin and riboflavin in water
Application No. G006217



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