



Water Soluble B Vitamins
Ultra II® Aqueous C18

Sample:
Inj.: 1µL
Conc.: 100µg/mL each component
Sample diluent: water:methanol (70:30)

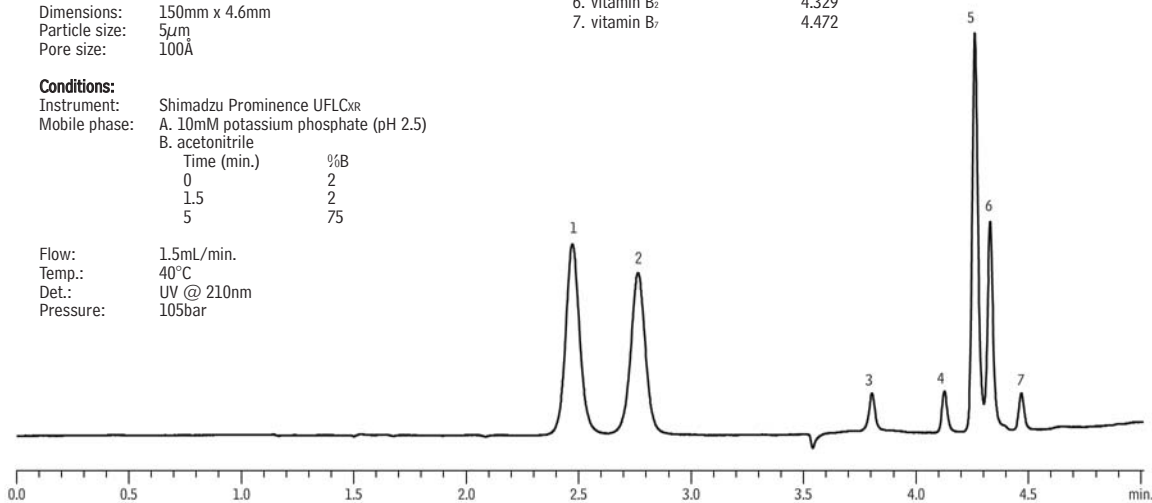
Column: Ultra II® Aqueous C18
Cat.#: 9608565
Dimensions: 150mm x 4.6mm
Particle size: 5µm
Pore size: 100Å

Conditions:
Instrument: Shimadzu Prominence UFLCXR
Mobile phase: A. 10mM potassium phosphate (pH 2.5)
B. acetonitrile

Time (min.)	%B
0	2
1.5	2
5	75

Flow: 1.5mL/min.
Temp.: 40°C
Det.: UV @ 210nm
Pressure: 105bar

Peak List	Ret. Time (min.)
1. vitamin B ₃	2.472
2. vitamin B ₆	2.764
3. vitamin B ₅	3.804
4. vitamin B ₉	4.126
5. vitamin B ₁₂	4.261
6. vitamin B ₂	4.329
7. vitamin B ₇	4.472



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Vitamin C
Ultra II® Aqueous C18

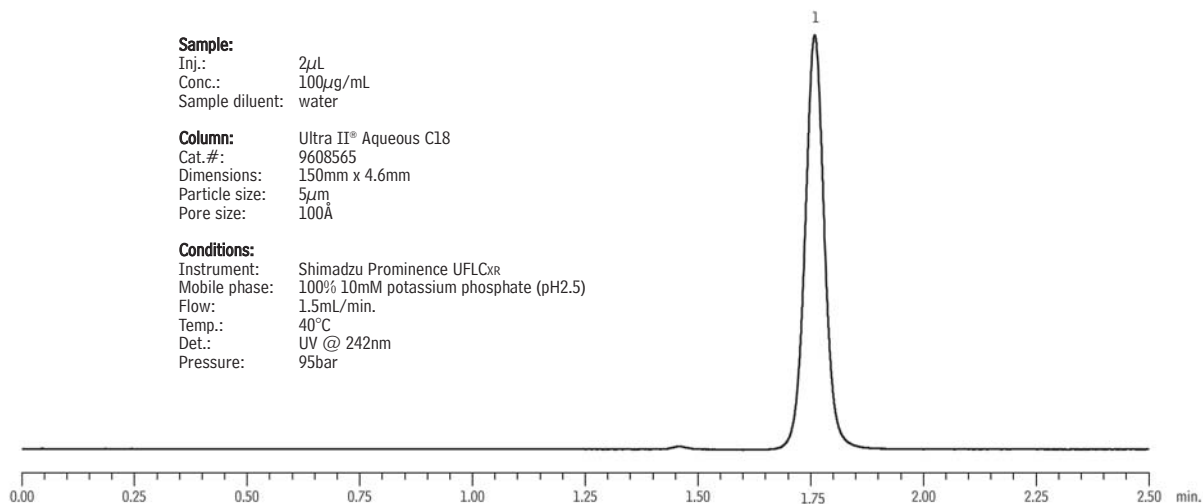


Peak List	Ret. Time (min.)
1. ascorbic acid (vitamin C)	1.759

Sample:
Inj.: 2µL
Conc.: 100µg/mL
Sample diluent: water

Column: Ultra II® Aqueous C18
Cat.#: 9608565
Dimensions: 150mm x 4.6mm
Particle size: 5µm
Pore size: 100Å

Conditions:
Instrument: Shimadzu Prominence UFLCXR
Mobile phase: 100% 10mM potassium phosphate (pH2.5)
Flow: 1.5mL/min.
Temp.: 40°C
Det.: UV @ 242nm
Pressure: 95bar



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