

HPLC Application

ID No.: 22916

Low levels of B12 analysis from Vitamin pill formulation on Kinetex 5u EVO 150x4.6mm

Column: Kinetex[®] 5 μ m EVO C18 100 Å, LC Column 150 x 4.6 mm, Ea

Dimensions: 150 x 4.6 mm ID

Order No: 00F-4633-E0

Elution Type: Gradient

Eluent A: 3g Sodium 1-Hexanesulfonate Monohydrate with 0.4mL TEA and 15mL Acetic Acid with 19

Eluent B: Acetonitrile

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	95	5
	2	10	2	98
	3	12	2	98
	4	12.1	95	5
	5	15	95	5

Flow Rate: 1 mL/min

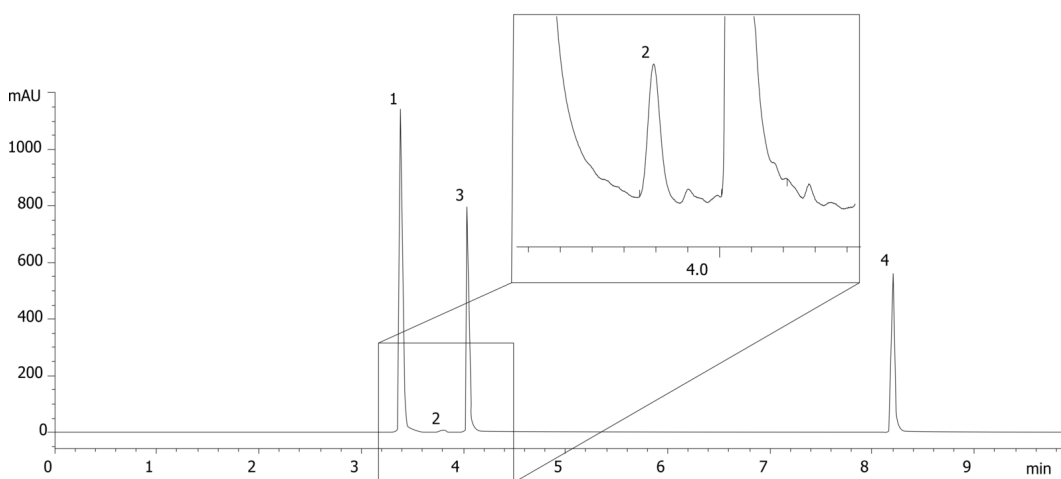
Col. Temp.: ambient

Detection: UV-Vis Abs.-Variable Wave.(UV) @ 278 nm (ambient)

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Products used in this application:



ANALYTES:

- 1** Vitamin B6
Retention Time: 3.388 min
- 2** Vitamin B12
Retention Time: 3.793 min
- 3** Vitamin B1
Retention Time: 4.042 min
- 4** Diclofenac
Retention Time: 8.203 min

