

Water-Soluble Vitamins Analysis

1. Analytical Condition

YL 9100 HPLC

Mobile Phase : A- Water 1L+PIC B7 20ml+ Phosphoric acid 0.1%

B- Water 550ml + MeOH 450ml + PIC B7 20ml + Phosphoric acid 0.1%

*Gradient Program

Time (min)	Flow Rate (ml/min)	Mobile Phase	Mobile Phase
		A(%)	B(%)
0	1.0	100	0
44	1.0	0	100
47	1.0	0	100
49	1.0	100	0

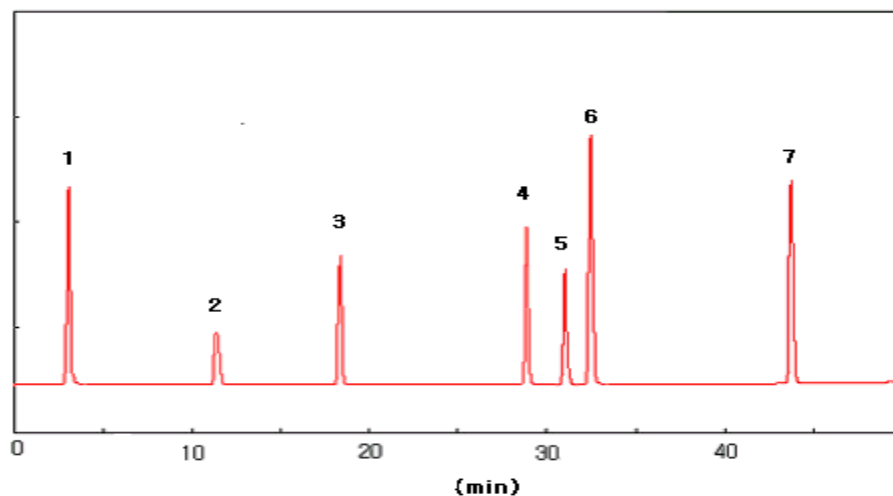
Column Oven : 40°C

Detector : UV/Vis 280nm

Column : C18 (4.6*250mm, 5µm)

Injection Volume : 20µl sample loop

2. Chromatogram



1. Ascorbic acid
2. Nicotinic acid
3. Nicotinamide
4. Pyridoxine
5. Folic acid
6. Riboflavin
7. Thiamin

