

# Water Soluble Vitamins

## 1. Analysis Condition

### YL9100 Series Vitamin Analyzer

Mobile Phase : A-Ultrapure water 1L+PIC 7 Reagent 20ml+ H<sub>3</sub>PO<sub>4</sub> 0.1%

B- Ultrapure water 550ml + MeOH 450ml + PIC 7 Reagent 20ml + H<sub>3</sub>PO<sub>4</sub> 0.1%

\*Gradient Program

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

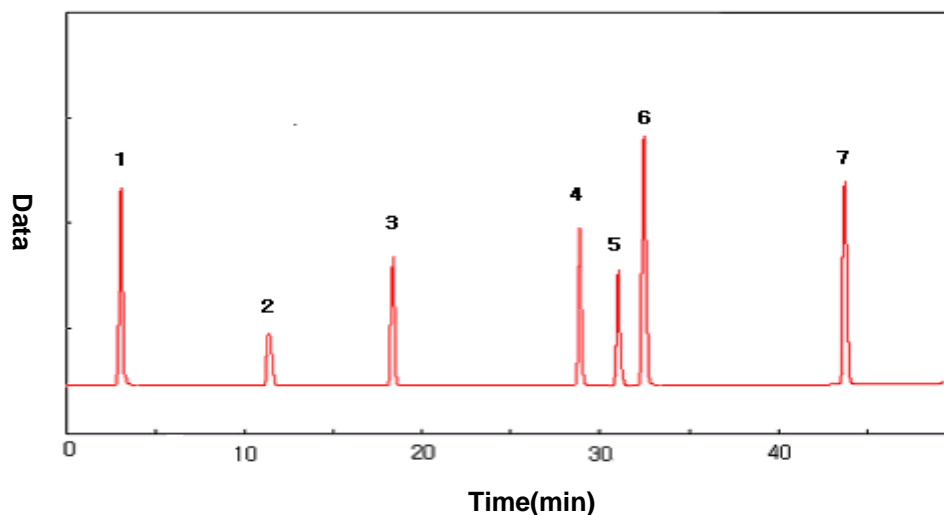
Column Oven : 40°C

Detector : UV/Vis 280nm

Column : C18 (4.6\*250mm, 5um)

Injection Volumn : 20ul sample loop

## 2. Chromatogram



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