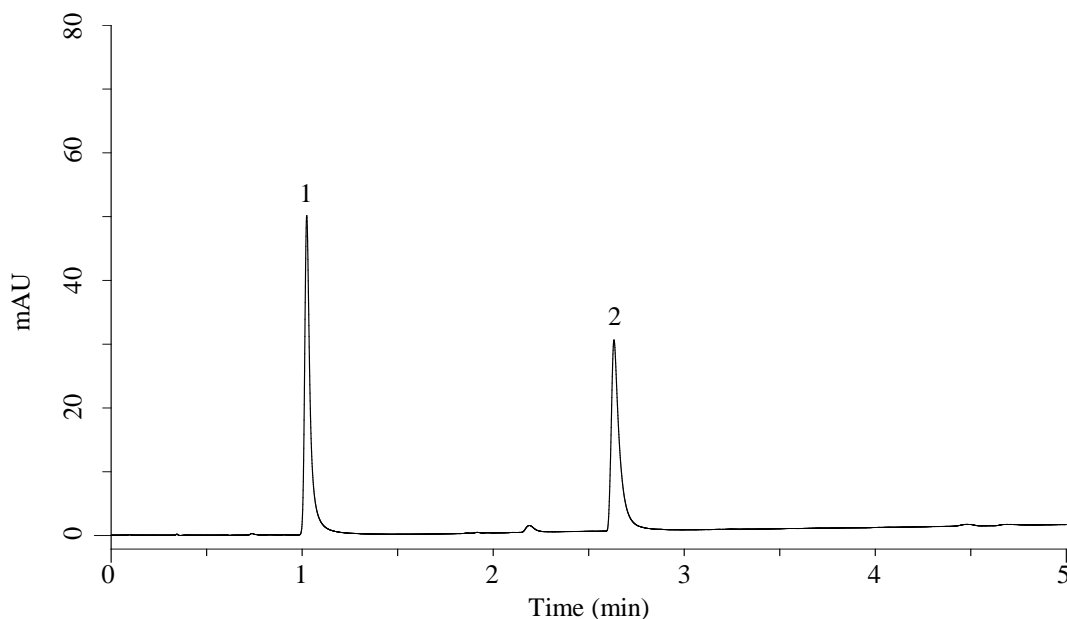


## Analysis of Thiamine and Thiamine pyrophosphate



### Conditions

**Column** : InertSustain AX-C18 (GL Sciences Inc.)  
 (3  $\mu$  m, 150 x 2.1 mm I.D., Metal-free hardware)

**Column Cat. No.** : 5020-91059

**Eluent** : A) 100 mM HCOONH<sub>4</sub> in (CH<sub>3</sub>CN/H<sub>2</sub>O =50/50, v/v)  
 B) 10 mM HCOONH<sub>4</sub> in H<sub>2</sub>O

### Analyte:

1. Thiamine  
 2. Thiamine pyrophosphate  
 (100 mg/L each)

Time (min)	A (Vol%)	B (Vol%)
0.0	1	99
10.0	50	50

**Flow Rate** : 0.3 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : UV 254 nm  
**Injection Vol.** : 1  $\mu$  L