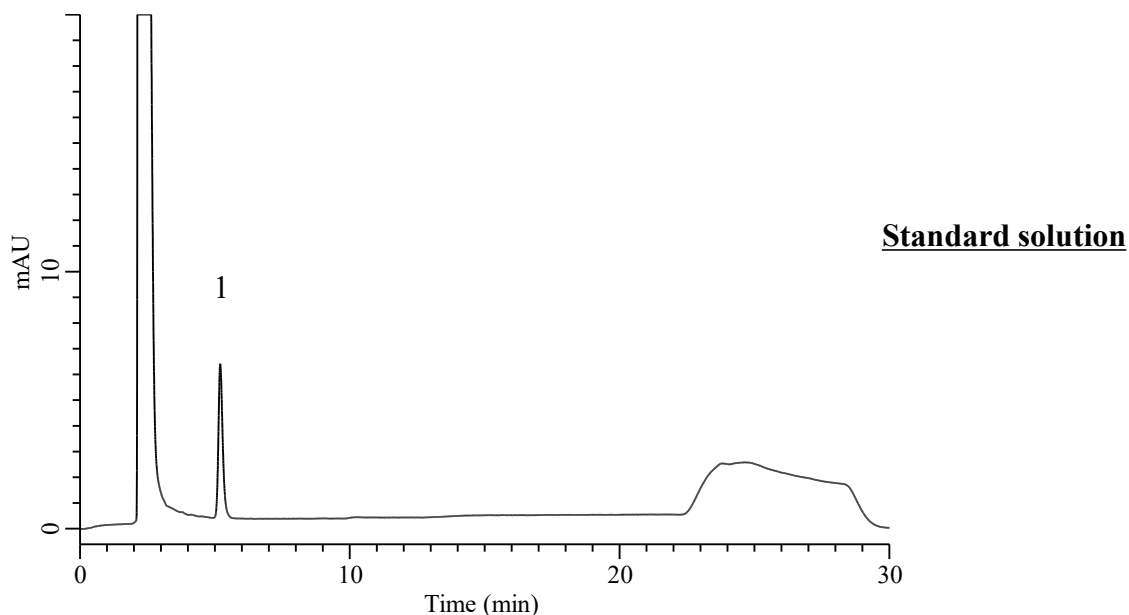


## Analysis of Folic acid

(Under the Condition of draft for USP, Water-Soluble Vitamins Chewable Gels, Folic acid\_Method 1)



### Conditions

**System** : Chromaster PLUS (HITACHI)  
**Column** : InertSustain C8 (GL Sciences Inc.)  
 (5  $\mu$ m, 250 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-16028  
**Eluent** : A) CH<sub>3</sub>OH  
 B) Solution\*

### Analyte:

1. Folic acid 5  $\mu$ g/mL

RSD of  
 the peak area of 1 (%) (n=6) : 0.68 ( $\leq$  2.0)

| Time (min) | A (vol %) | B (vol %) |
|------------|-----------|-----------|
| 0.0        | 10        | 90        |
| 18.0       | 10        | 90        |
| 18.5       | 30        | 70        |
| 24.0       | 30        | 70        |
| 24.5       | 10        | 90        |
| 30.0       | 10        | 90        |

**Flow Rate** : 1.0 mL/min  
**Col. Temp.** : 50  $^{\circ}$ C  
**Detection** : UV 270 nm (Chromaster 5420 UV-VIS )  
**Injection Vol.** : 5  $\mu$ L  
**Sample** : Standard

\*: Transfer 0.4 mL of triethylamine, 15 mL of glacial acetic acid, and 350 mL of methanol into a 2000-mL volumetric flask. Dilute with 0.008 M sodium 1-hexanesulfonate to volume.