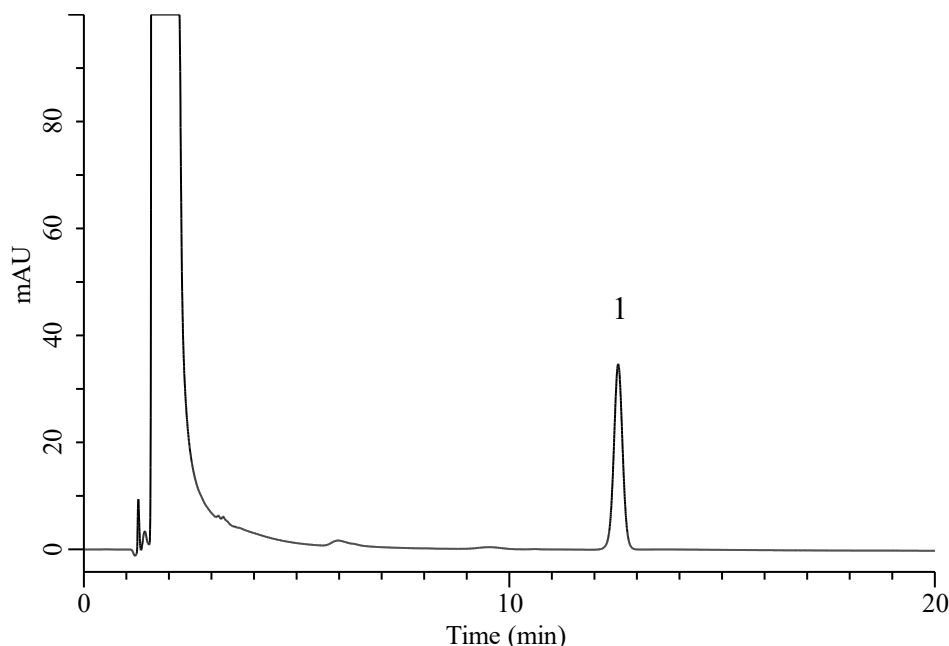


## Analysis of D-Biotin

(Under the Condition of USP41-NF36, Oil- and Water-Soluble Vitamins Capsules\_  
BIOTIN\_Method 1)



### Conditions

**System** : Chromaster PLUS (HITACHI)  
**Column** : InertSustain C8 (GL Sciences Inc.)  
 (3 μm, 150 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-16157  
**Eluent** : Solution\*  
**Flow Rate** : 1.2 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : UV 200 nm (Chromaster 5410 UV)  
**Injection Vol.** : 100 μL  
**Sample** : Standard

**Analyte:**  
 1. D-Biotin                      5 μg/mL

RSD of the peak area%(n=6) : 0.92 (≦ 3.0)

\*: Mix 85 mL of acetonitrile, 1 g of sodium perchlorate, and 1 mL of phosphoric acid, and dilute with water to 1000 mL.