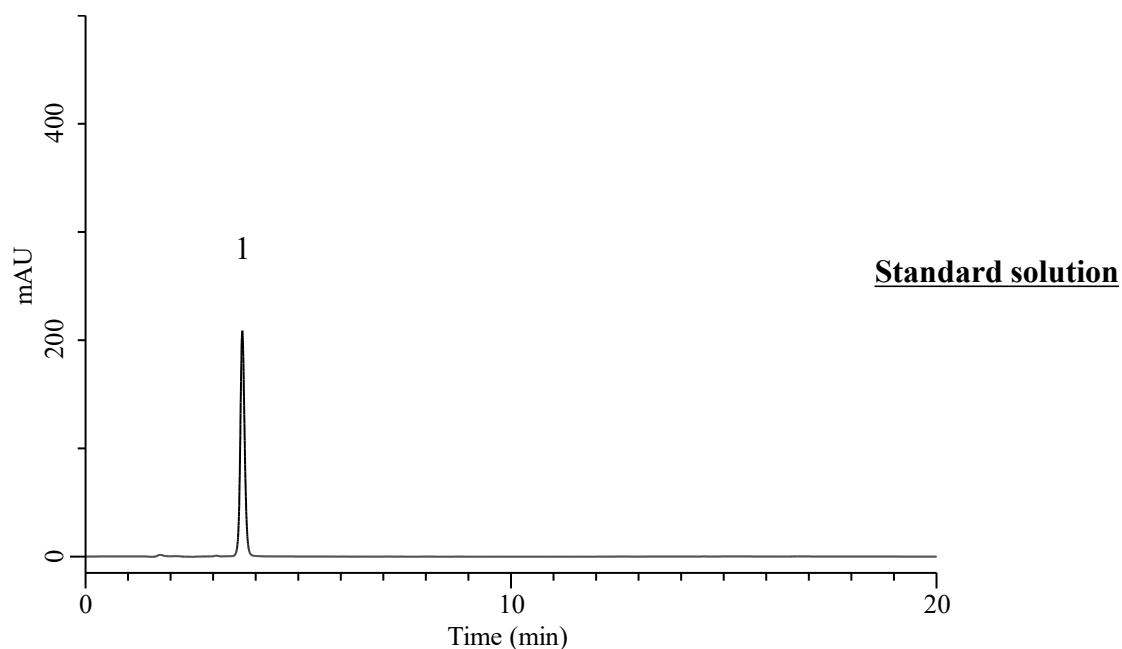


## Analysis of L-Thyroxine

(Under the Condition of draft for USP PF52(1), Levothyroxine Sodium for Injection, ASSAY)



### Conditions

**System** : Chromaster PLUS (HITACHI)  
**Column** : InertSustain Cyano (GL Sciences Inc.)  
 (5  $\mu$ m, 250 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-89277  
**Eluent** : CH<sub>3</sub>CN/H<sub>2</sub>O/H<sub>3</sub>PO<sub>4</sub>=400/600/0.5, v/v/v  
**Flow Rate** : 1.5 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : UV 225 nm (Chromaster 5420 UV-VIS)  
**Injection Vol.** : 75  $\mu$ L  
**Sample** : Standard

### **Analyte:**

1. L-Thyroxine 0.01 mg/mL

Tailing Factor : (0.8  $\leq$ ) 1.10 ( $\leq$  1.8)

RSD of the peak area (%)(n=6) : 0.1 ( $\leq$  1)