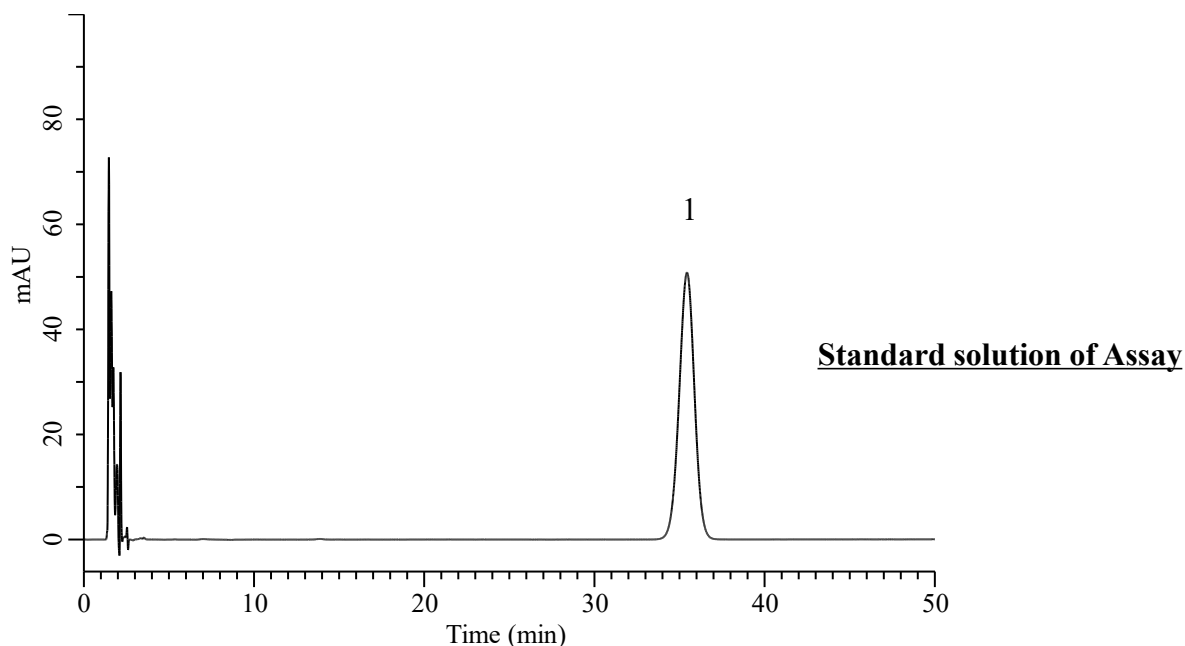


## Analysis of Itraconazole

(Under the Condition of the draft for USP, Itraconazole Oral Solution, ASSAY)



### Conditions

**System** : Primaide (HITACHI)  
**Column** : InertSustain C18 (GL Sciences Inc.)  
                   (5  $\mu$ m, 250 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-07346  
**Eluent** : A) CH<sub>3</sub>CN  
               B) Buffer\*  
               A/B = 30/70, v/v  
**Flow Rate** : 1.5 mL/min  
**Col. Temp.** : 30 °C  
**Autosampler** : 5 °C  
**Detection** : UV 225 nm (Primaide 1435 DAD)  
**Injection Vol.** : 20  $\mu$ L  
**Sample** : Standard in 0.4% HCl in CH<sub>3</sub>OH

### Analyte:

1. Itraconazole                      0.12 mg/mL

Tailing factor : 0.98 ( $\leq$  2.0)

RSD of the peak area (%)(n=6) : 0.79 ( $\leq$  2.0)

\* : 27.2 g/L of tetrabutylammonium hydrogen sulfate in water.