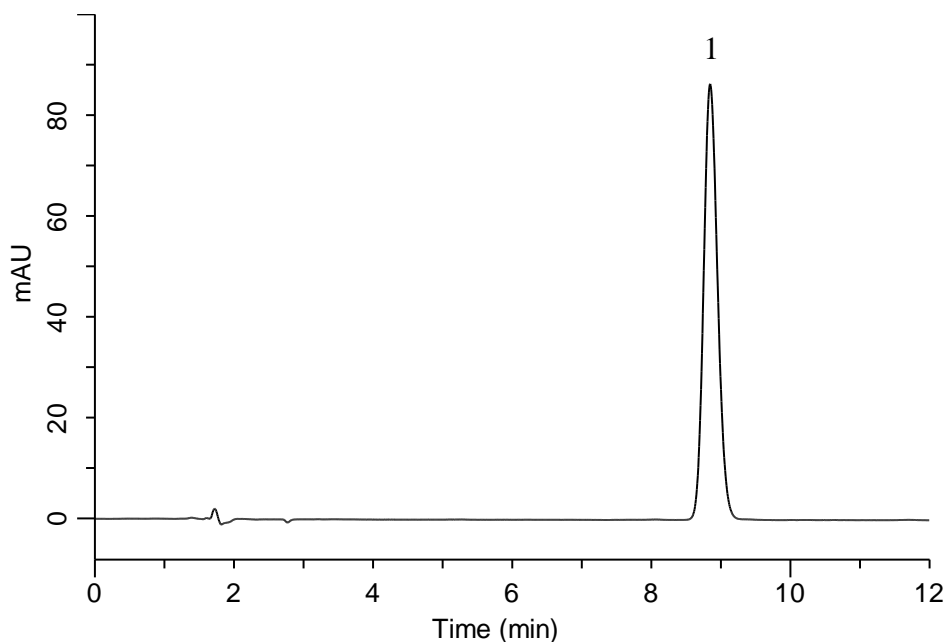


## Analysis of Fexofenadine hydrochloride (Under the Condition of the Japanese Pharmacopoeia)



### Conditions

**System** : GL-7400 HPLC system  
**Column** : Inertsil Ph  
 (5  $\mu$  m, 250 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-01328  
**Eluent** : A) CH<sub>3</sub>CN  
 B) 7.51 g/L NaH<sub>2</sub>PO<sub>4</sub>·2H<sub>2</sub>O + 0.84 g/L NaClO<sub>4</sub> in H<sub>2</sub>O (pH 2.0, H<sub>3</sub>PO<sub>4</sub>)  
 C) Triethylamine  
 A/B/C = 350/650/3, v/v/v  
**Flow Rate** : 1.8 mL/min  
**Col. Temp.** : 25 °C  
**Detection** : UV 220 nm (GL-7452 PDA Detector)  
**Injection Vol.** : 20  $\mu$  L  
**Sample** : Standard

### Analyte:

1. Fexofenadine hydrochloride 60 mg/L

Theoretical plates : 9,337 ( $\geq$  8,000)  
 Tailing factor : 1.13 ( $\leq$  2.0)  
 RSD of the  
 peak area (%) (n=6) : 0.67 ( $\leq$  1.0)