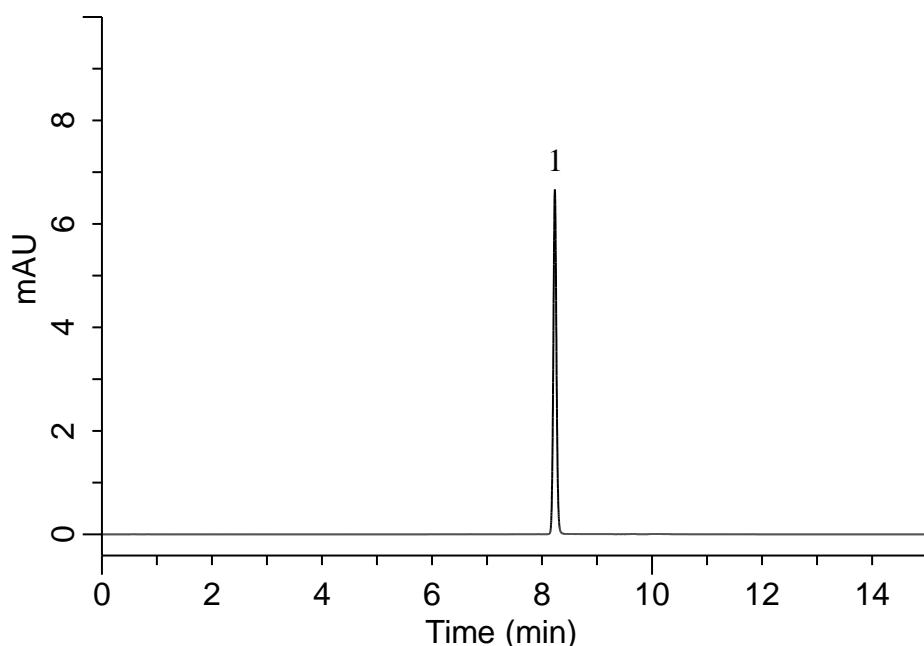


## Analysis of Telmisartan

(Under the Condition of the draft for the Japanese Pharmacopoeia,  
Telmisartan and Amlodipine Besilate Tablets)



### Conditions

**System** : GL7700 HPLC system  
**Column** : Inertsil C8-3  
 (5  $\mu$  m, 75 x 3.0 mm I.D.)  
**Column Cat. No.** : 5020-04923  
**Eluent** : A) CH<sub>3</sub>CN  
 B) 2 g/L NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub> in H<sub>2</sub>O (pH 3.5, H<sub>3</sub>PO<sub>4</sub>)

| Time (min) | A (vol%) | B (vol%) |
|------------|----------|----------|
| 0.0        | 10       | 90       |
| 2.0        | 10       | 90       |
| 7.0        | 80       | 20       |
| 8.0        | 80       | 20       |

**Flow Rate** : 0.8 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : UV 270 nm (UV7750 UV Detector)  
**Injection Vol.** : 25  $\mu$  L  
**Sample** : Standard

### Analyte:

1. Telmisartan 44 mg/L

Theoretical plates : 103,037 ( $\geq 25,000$ )  
 Symmetry factor : 1.05 ( $\leq 2.0$ )  
 RSD of the peak area (%) (n=6) : 0.26 ( $\leq 2.0$ )