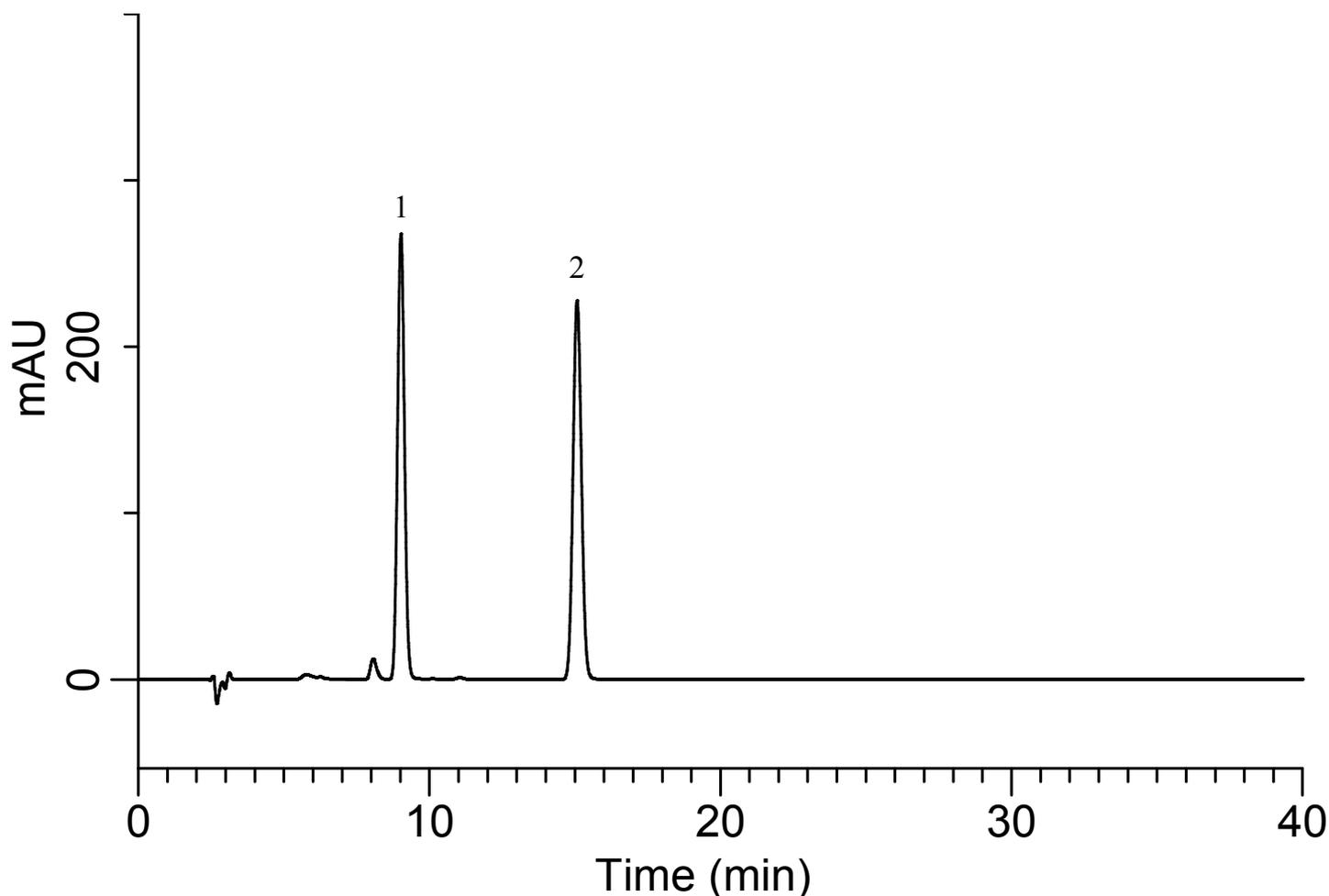


### Analysis of Haloperidol

(Under the Condition of the Japanese Pharmacopoeia 17th edition, Haloperidol Tablets)

Data No. LB432-0894



#### Conditions

**System** : GL7700 HPLC system  
**Column** : Inertsil ODS-4  
(5  $\mu$  m, 150 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-03945  
**Eluent** : Buffer\*  
**Flow Rate** : 0.56 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : UV 220 nm (UV7750 UV Detector)  
**Injection Vol.** : 10  $\mu$  L  
**Sample** : Standard

#### Analyte

1. Haloperidol 100 mg/L  
2. Diphenyl 100 mg/L

Resolution (1, 2) : 12.7 ( $\geq 5$ )  
RSD of the  
peak area ratio of  
1 to 2 (%) (n=6) : 0.41 ( $\leq 1.0$ )

\*Dissolve 2.95 g of trisodium citrate dihydrate in 900 mL of water.  
Adjust to pH 3.5 with diluted hydrochloric acid.  
Add water to make 1,000 mL. (Solution A)  
Add 750 mL of CH<sub>3</sub>OH to 250 mL of Solution A. (Solution B)  
Add 1.0 g of sodium dodecyl sulfate to Solution B.