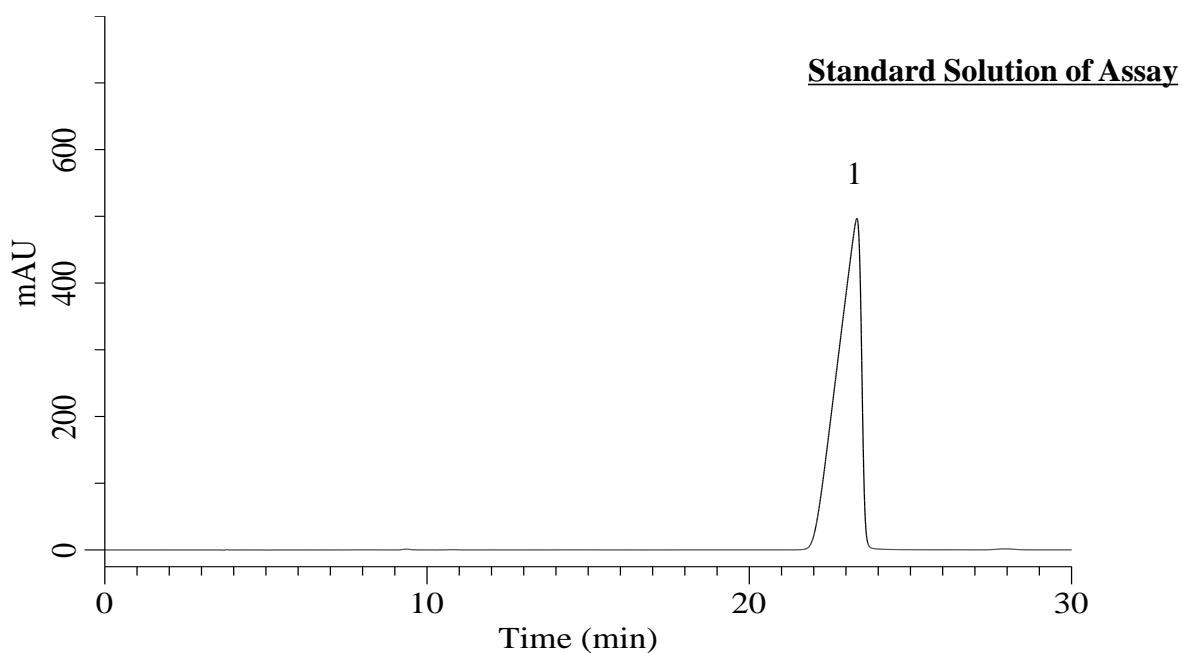


Analysis of Levofloxacin

(Under the Condition of USP43- NF38, Levofloxacin)



Conditions

System : Chromaster HPLC system (HITACHI)
Column : Inertsil ODS-3 (GL Sciences Inc.)
 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-01732
Eluent : A) CH₃OH
 B) Buffer*
 A/B = 30/70, v/v
Flow Rate : 0.8 mL/min
Col. Temp. : 45 °C
Detection : UV 360 nm
Injection Vol. : 25 μ L
Sample : Standard

Analyte:

1. Levofloxacin 1 mg/mL

 Tailing factor : 0.61 (0.5-1.5)

 RSD of the
 peak area (%) (n=6) : 0.06 (\leq 1.0)

*8.5 g/L of ammonium acetate, 1.25 g/L of cupric sulfate, pentahydrate, and 1.3 g/L of L-isoleucine in water .