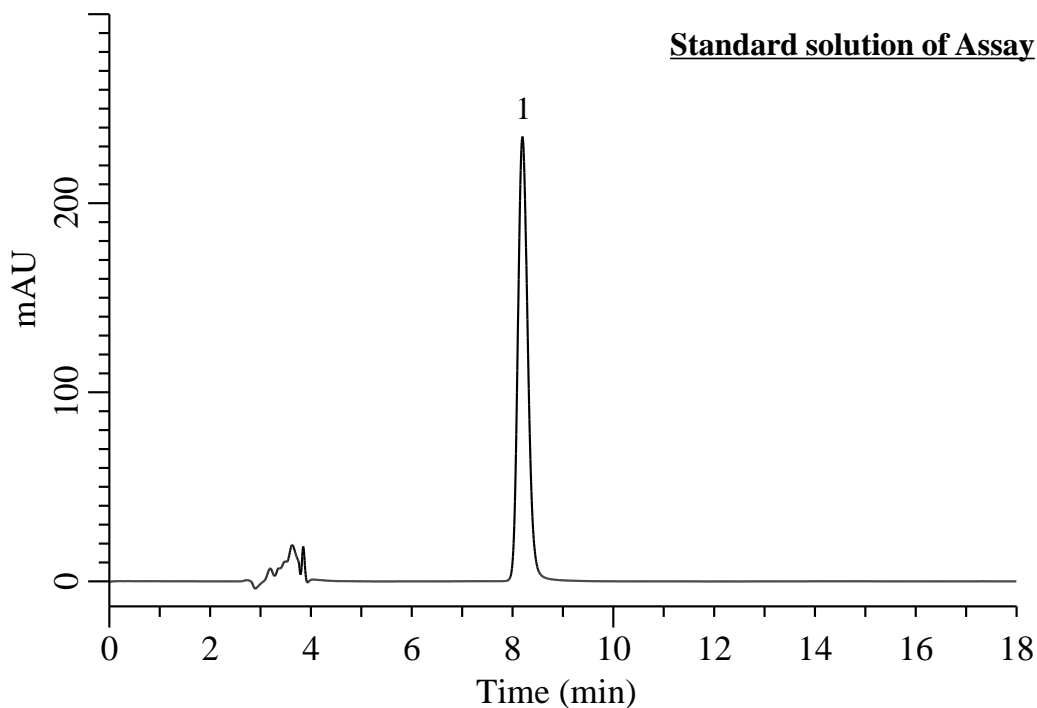


Analysis of Venlafaxine hydrochloride

(Under the Condition of the draft for USP, Venlafaxine Extended-Release Tablets)



Conditions

System : Chromaster HPLC system (HITACHI)
Column : InertSustainSwift C8 (GL Sciences Inc.)
 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-88332
Eluent : A) CH₃CN
 B) Buffer*
 A/B = 255/745, v/v
Flow Rate : 1.2 mL/min
Col. Temp. : 35 °C
Detection : UV 225 nm (5430 DAD)
Injection Vol. : 20 μ L
Sample : Standard

Analyte:

1. Venlafaxine hydrochloride 0.09 mg/mL

Tailing factor : 1.18 (\leq 2.0)

RSD of the peak area (%) (n=6) : 0.62 (\leq 1.0)

*: Dissolve 11.4 g of ammonium phosphate, monobasic in 1000 mL of water. Adjust with 114 mL/L of phosphoric acid in water to a pH of 3.5.