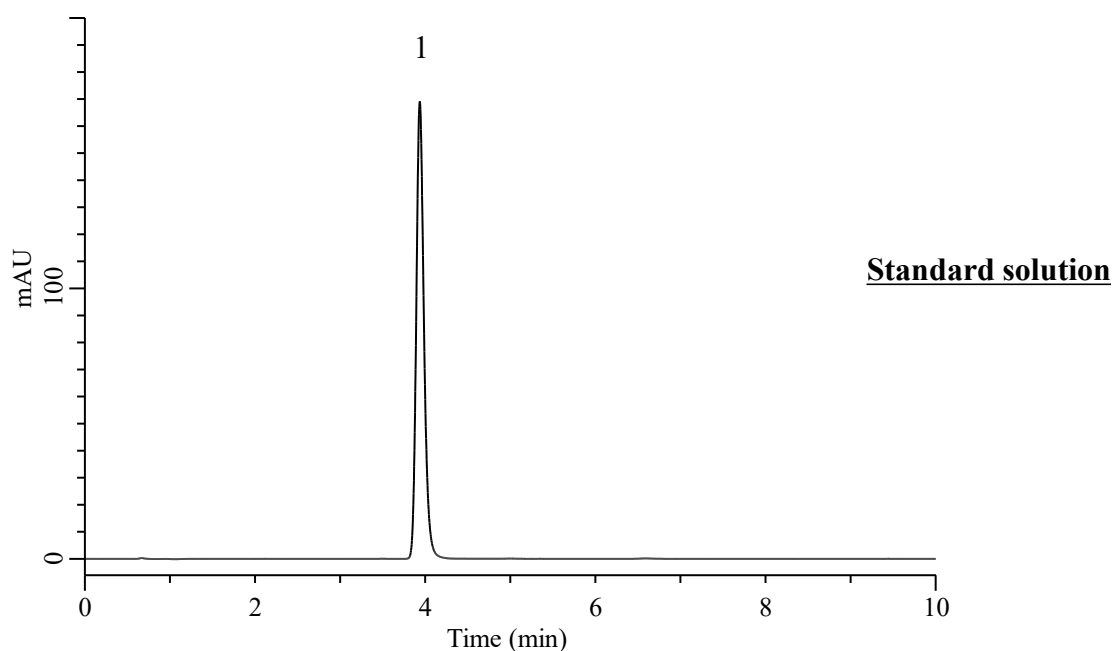


Analysis of Pyridostigmine bromide

(Under the Condition of draft for USP PF52(2), Pyridostigmine Bromide Extended-Release Tablets, Dissolution Test 2)



Conditions

System : Primaide (HITACHI)
Column : InertSustain AQ-C18 (GL Sciences Inc.)
 (3 μ m, 100 x 4.6 mm I.D.)
Column Cat. No. : 5020-89858
Eluent : CH₃CN/Solution*=45/55, v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 30 °C
Detection : UV 270 nm (Primaide 1410 UV)
Injection Vol. : 5 μ L
Sample : Standard in H₂O

Analyte:

1. Pyridostigmine bromide 0.2 mg/mL

Tailing Factor : (0.8 \leq) 1.24 (\leq 1.8)

RSD of the peak area (%) (n=6) : 0.29 (\leq 2.0)

*: Dissolve 4.33 g of sodium dodecyl sulfate in 1000 mL of water. Adjust with phosphoric acid to a pH of 2.5.