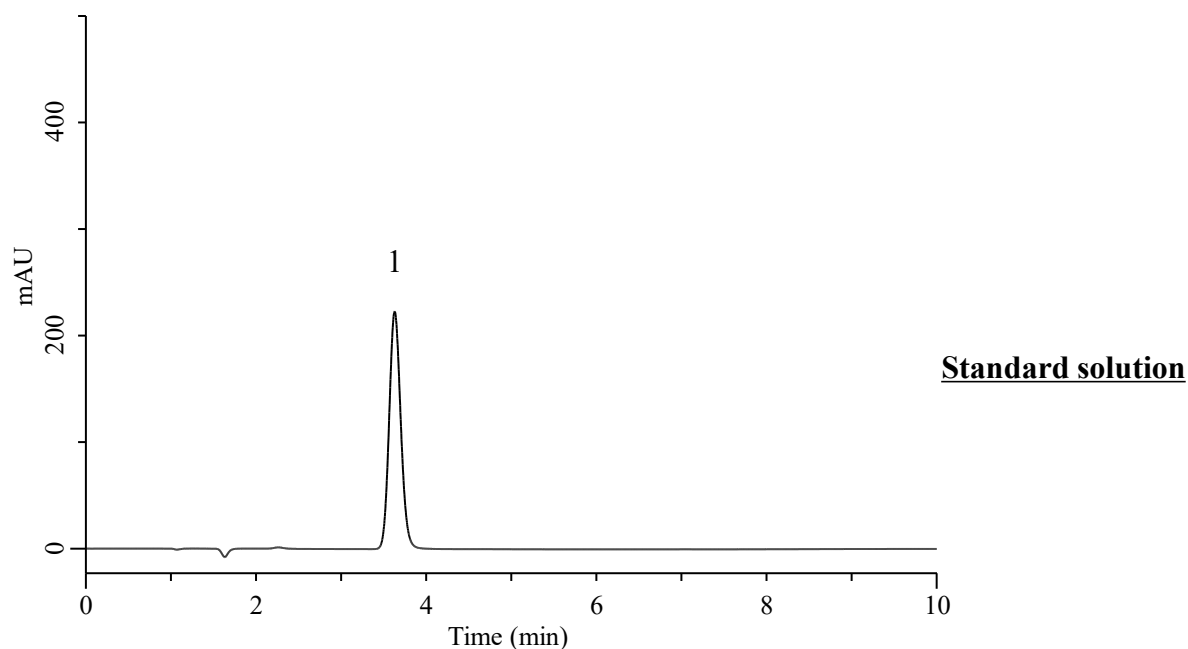


Analysis of Pyridostigmine bromide

(Under the Condition of draft for USP PF52(2), Pyridostigmine Bromide Extended-Release Tablets, Dissolution Test 3)



Conditions

System : Chromaster PLUS (HITACHI)
Column : InertSustain C18 (GL Sciences Inc.)
 (10 μ m, 300 x 4.0 mm I.D.)
Column Cat. No. : 5020-90558
Eluent : Solution*
Flow Rate : 2.0 mL/min
Col. Temp. : 40 °C
Detection : UV 270 nm (Chromaster 5420 UV-VIS)
Injection Vol. : 20 μ L
Sample : Standard in H₂O

Analyte:

1. Pyridostigmine bromide 0.2 mg/mL

Tailing Factor : (0.8 \leq) 1.13 (\leq 1.8)

RSD of the peak area (%)(n=6) : 0.06 (\leq 2.0)

*: Dissolve 1 g of sodium 1-heptanesulfonate in 500 mL of water in a 1000-mL volumetric flask. Add 5.0 mL of triethylamine and 100 mL of acetonitrile. Dilute with water to volume. Adjust with phosphoric acid to a pH of 3.0.