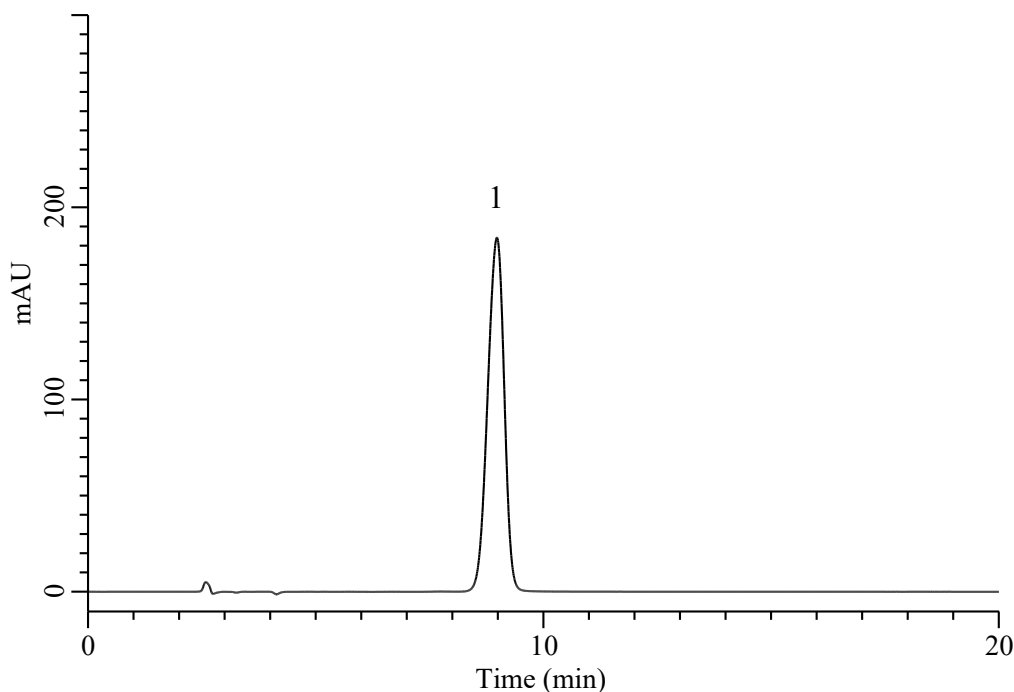


Analysis of Doxazosin

(Under the Condition of USP43-NF38 2S, Doxazosin Tablets, ASSAY)



Conditions

System : Primaide (HITACHI)
Column : InertSustain C18 (GL Sciences Inc.)
 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-07346
Eluent : CH₃OH/Buffer* = 55/45, v/v
Flow Rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : UV 245 nm (Primaide 1435 DAD)
Injection Vol. : 20 μ L
Sample : Standard in CH₃OH/0.1 N HCl = 90/10, v/v

Analyte:

1. Doxazosin 0.049 mg/mL

Tailing factor : 0.91 ($\leq$ 2.0)

RSD of the peak area (%)(n=6) : 0.47 ($\leq$ 2.0)

* : Transfer 3.4 g of monobasic potassium phosphate into a 1-L flask, and add 800 mL of water and 4.0 mL of triethylamine to dissolve. Adjust with phosphoric acid to a pH of 4.5, and dilute with water to volume.