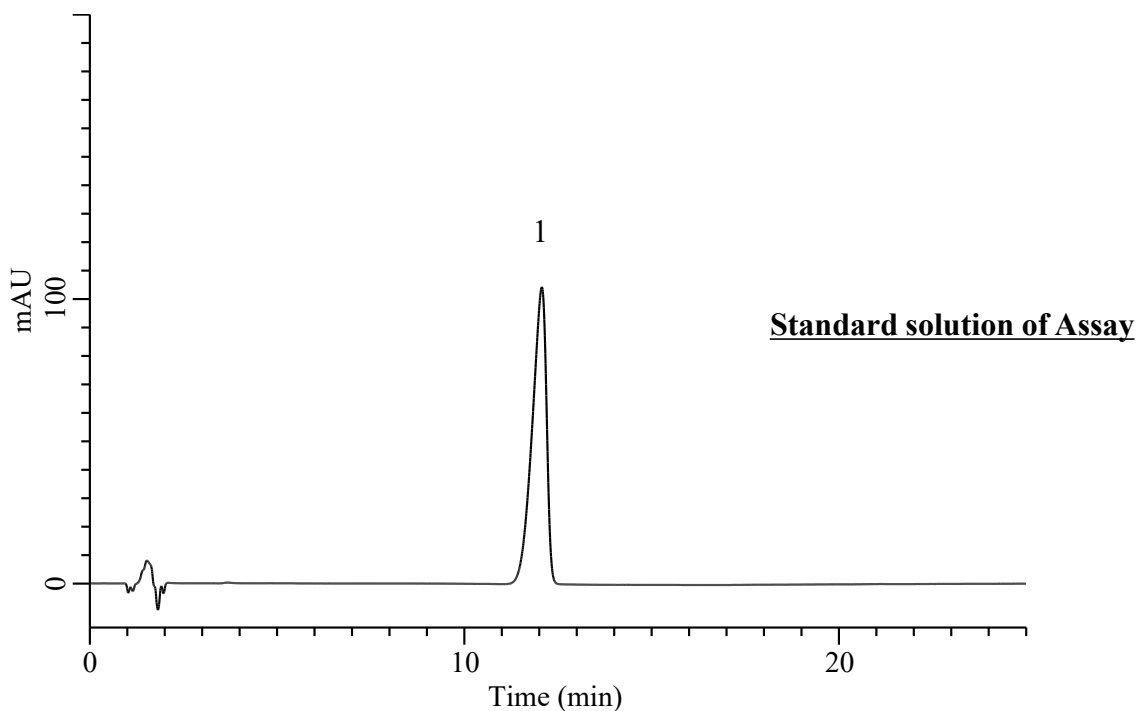


Analysis of Nicardipine Hydrochloride

(Under the Condition of the draft for USP, Nicardipine Hydrochloride Capsules)



Conditions

System : Chromaster HPLC system (HITACHI)
Column : InertSustain C8 (GL Sciences Inc.)
 (5 μ m, 250 x 4.0 mm I.D.)
Column Cat. No. : 5020-16021
Eluent : CH₃CN/CH₃OH/Buffer* = 38/9/53, v/v/v
Flow Rate : 1.5 mL/min
Col. Temp. : 30 °C
Detection : UV 240 nm (5430 DAD)
Injection Vol. : 25 μ L
Sample : Standard

Analyte:

1. Nicardipine hydrochloride 0.048 mg/mL

Tailing factor : 0.73 (0.7 - 1.8)

RSD of the peak area (%) (n=6) : 0.15 ($\leq$ 1.0)

*: Dissolve 2.72 g of potassium phosphate, monobasic in 1000 mL of water.