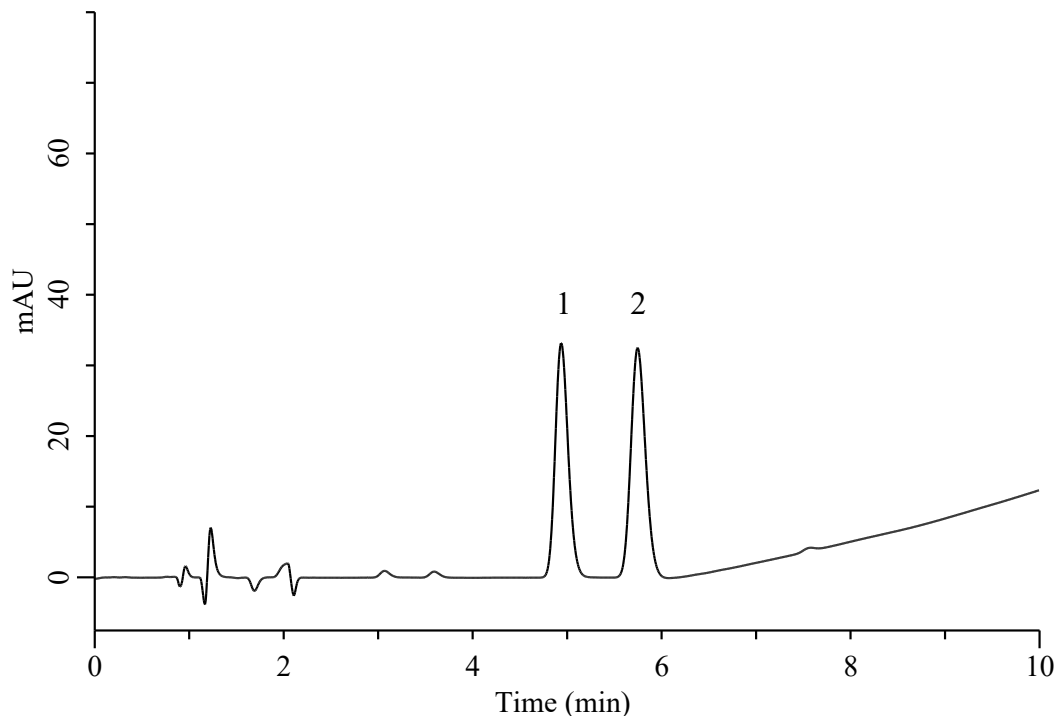


Analysis of Hydrochlorothiazide

(Under the Condition of the European pharmacopoeia 11.0, Hydrochlorothiazide ASSAY)



Conditions

System : Chromaster PLUS HPLC system (HITACHI)
Column : InertSustain AQ-C18 (GL Sciences Inc.)
 (3 μ m, 100 x 4.6 mm I.D.)
Column Cat. No. : 5020-89858
Eluent : A) Phosphate buffer solution*/CH₃OH/THF = 94/60/10
 B) Phosphate buffer solution*/CH₃OH/THF = 50/50/5

Analyte:

1. Chlorothiazide 7.5 μ g/mL
 2. Hydrochlorothiazide 7.5 μ g/mL

Time (min)	A (vol%)	B (vol%)
0.0	80	20
4.0	80	20
10.0	20	80

Resolution(1.2) : 3.02 (\geq 2.0)

Flow Rate : 1.6 mL/min
Col. Temp. : 25 °C
Detection : UV 224 nm
Injection Vol. : 10 μ L
Sample : Standard

*100mM disodium hydrogen phosphate adjusted to pH 3.2 with phosphoric acid. Dilute 100mL of this solution to 2000mL with water.