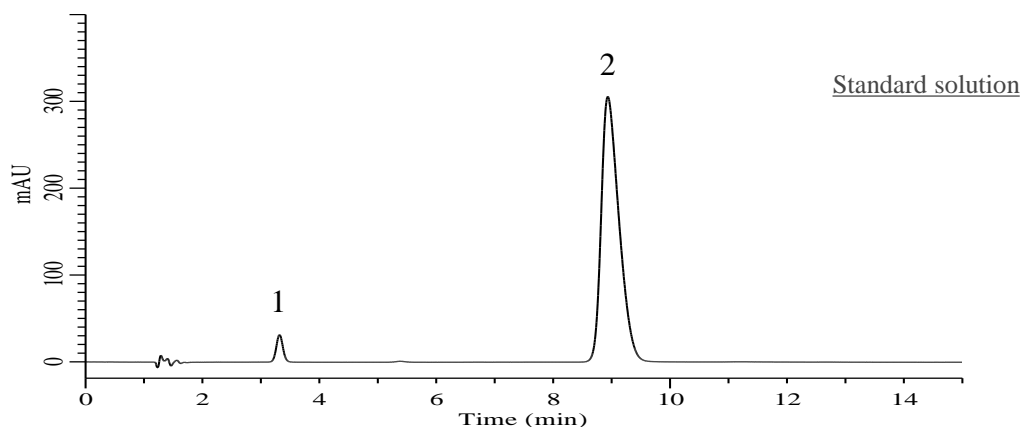
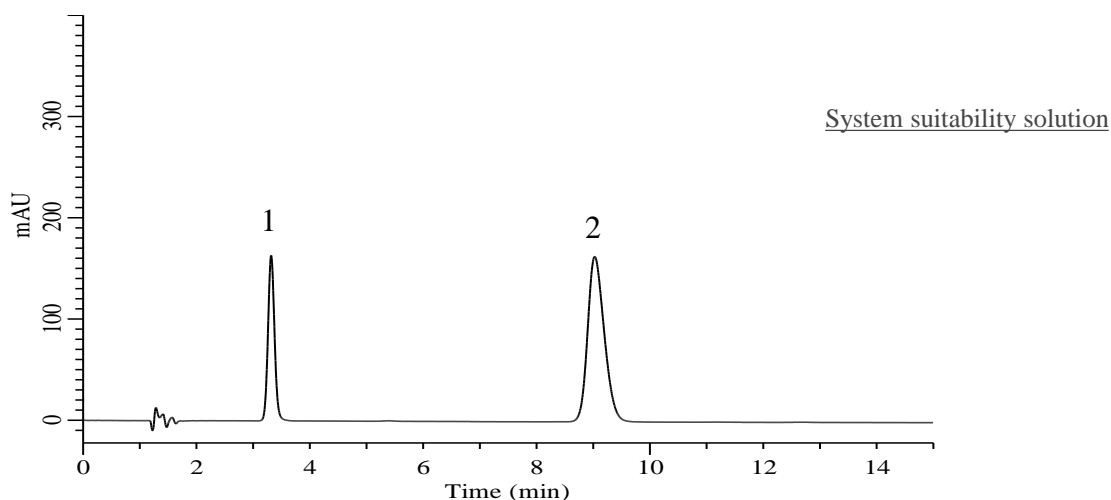


Analysis of Chlorprocaine hydrochloride

(Under the Condition of USP43-NF38, Chlorprocaine Hydrochloride Injection)



Conditions

System : Chromaster HPLC system (HITACHI)
Column : InertSustain C18 (GL Sciences Inc.)
 (10 μ m, 300 x 3.9 mm I.D.)
Column Cat. No. : 5020-90556
Eluent : Solution*
Flow Rate : 2.0 mL/min
Col. Temp. : 40 °C
Detection : UV 278 nm
Injection Vol. : 5 μ L
Sample : Standard

Analyte:

1. 4-Amino-2-chlorobenzoic acid
 2. Chlorprocaine

Relative retention times **

4-Amino-2-chlorobenzoic acid : 3.3 (0.37)
 Chlorprocaine : 8.9 (1.0)

** The relative retention times for 4-amino-2-chlorobenzoic acid and chlorprocaine are about 0.35 and 1.0, respectively.

Resolution (1,2) : 15.12 (\geq 5.0)

RSD of the
 peak area of 2 (%) (n=6) : 0.24 (\leq 1.0)

* Dissolve 800 mg of sodium 1-heptanesulfonate in 740 mL of water. Add 200 mL of acetonitrile, 50 mL of methanol, and 10 mL of glacial acetic acid.