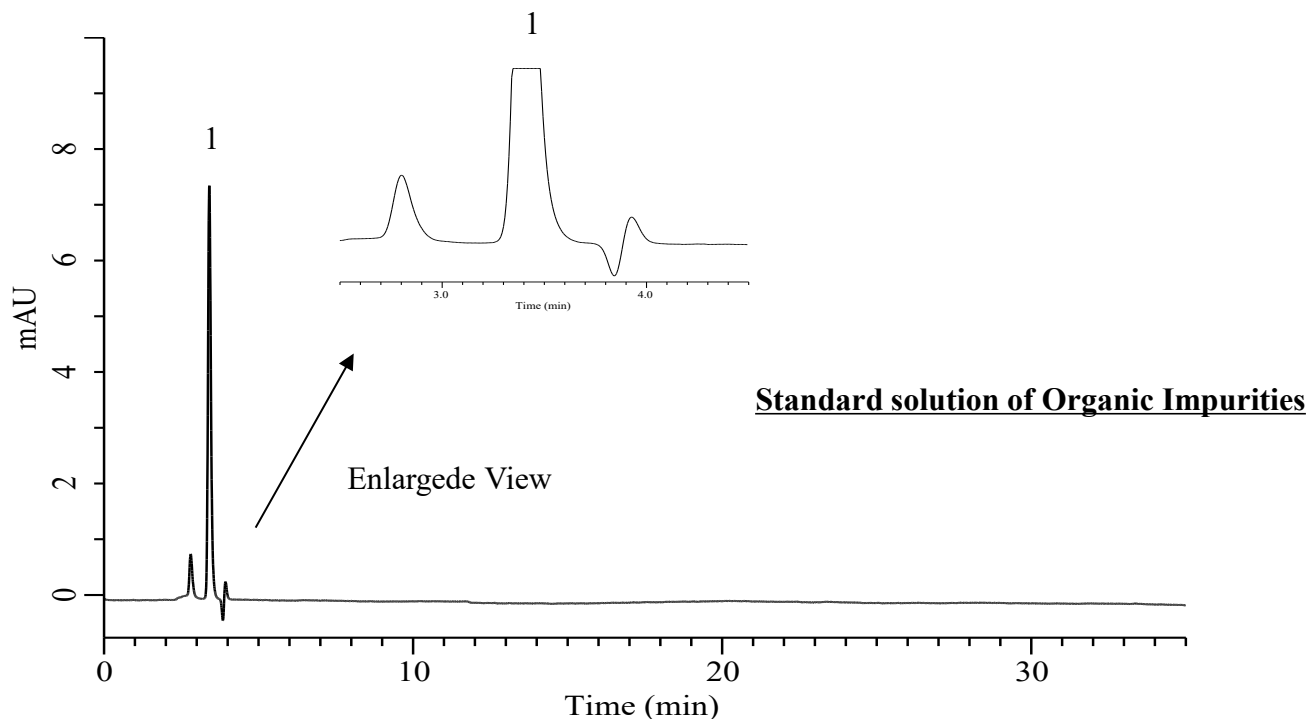


Analysis of Acyclovir

(Under the Condition of the draft for USP, Acyclovir Cream)



Conditions

System : Primaide HPLC system (HITACHI)
Column : InertSustain Cyano** (GL Sciences Inc.)
 (5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-89276
Eluent : A) CH₃CN
 B) Solution*
 A/B = 4/96, v/v
Flow Rate : 0.6 mL/min
Col. Temp. : 35 °C
Detection : UV 254 nm (1430 DAD)
Injection Vol. : 10 μ L
Sample : Standard

Analyte:

1. Acyclovir 1 μ g/mL

RSD of the peak area (n=6) : 0.24 (\leq 5.0)

Signal-to-noise ratio : 169.3 (\geq 10)

* : Add 1.7 mL of phosphoric acid in 1000 mL of water and adjust with 1 M phosphoric acid to a pH of 1.8.

** : Applicable pH range is 2-7.5.

After use this condition, please wash and store the column for 100% organic solvent such as acetonitrile.