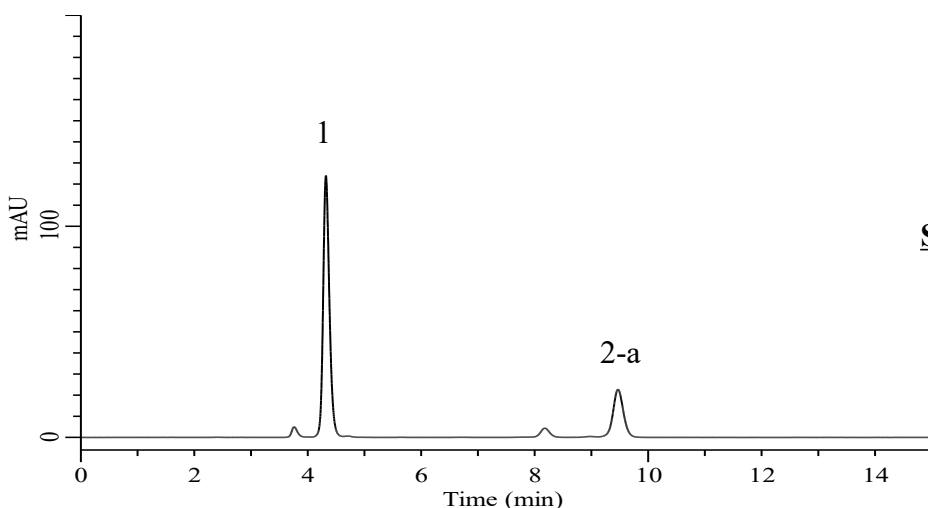
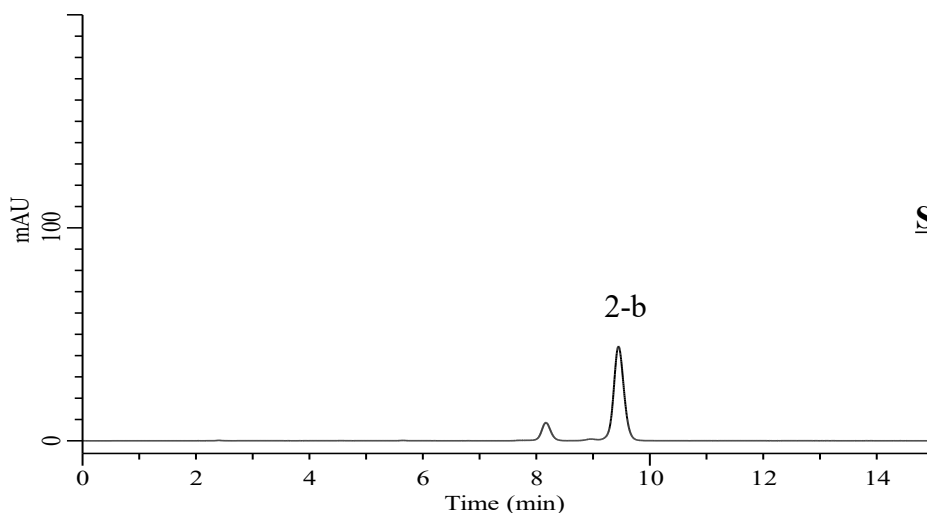


Analysis of Vitamin A

(Under the Condition of USP41-NF36, Oil- and Water-Soluble Vitamins Capsules, Vitamin A, Method 1)



System suitability solution



Standard solution

Conditions

System : Chromaster PLUS (HITACHI)
Column : InertSustain NH2 (GL Sciences Inc.)
 (3 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-16157
Eluent : n-Hexane
Flow Rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : UV 325 nm (Chromaster 5420 UV-VIS)
Injection Vol. : 40 μ L
Sample : Standard in n-Hexane

Analyte:

1. Retinyl palmitate 7.5 μ g/mL
 2-a. Retinyl acetate 7.5 μ g/mL
 2-b. Retinyl acetate 15 μ g/mL

Resolution (1,2-a) : 19.67 (≥ 10)

RSD of the
 peak area of 2-b (%) (n=6) : 0.67 (≤ 3.0)