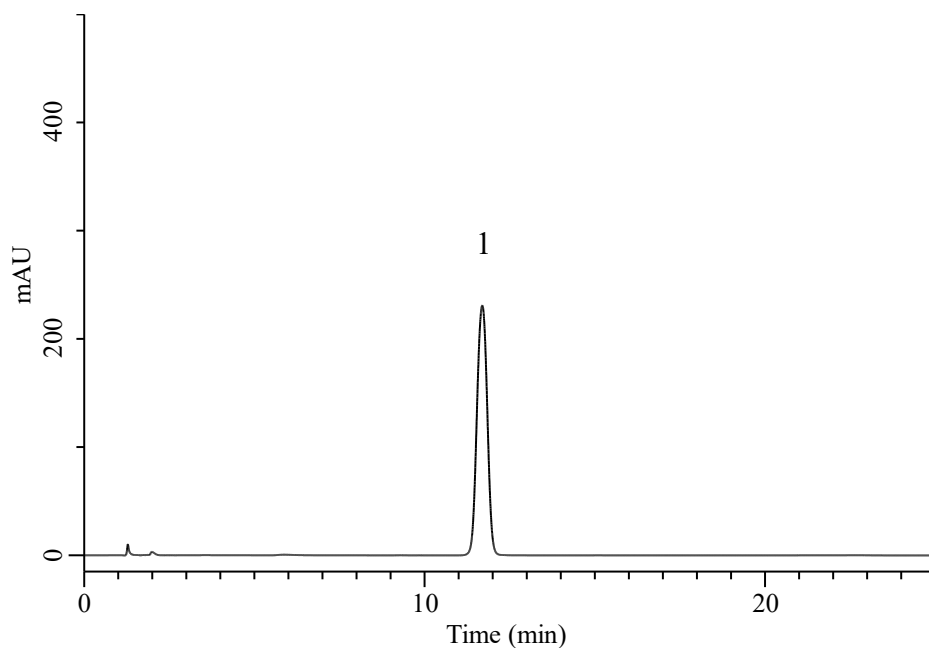


Analysis of D-Biotin

(Under the Condition of USP43-NF38, Biotin)



Conditions

System : Chromaster PLUS (HITACHI)
Column : InertSustain C8 (GL Sciences Inc.)
 (3 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-16157
Eluent : CH₃CN/Buffer* = 8.5/91.5, v/v
Flow Rate : 1.2 mL/min
Col. Temp. : 40 °C
Detection : UV 200 nm (Chromaster 5410 UV)
Injection Vol. : 50 μ L
Sample : Standard in CH₃CN/H₂O = 1/4, v/v

Analyte:

1. D-Biotin 0.1 mg/mL

Tailing factor : 0.99 ($\leq$ 1.5)

RSD of the peak area(%) (n=6) : 0.53 ($\leq$ 2.0)

*: Dissolve 1 g of sodium perchlorate monohydrate in 500 mL of water, add 1 mL of phosphoric acid, and dilute with water to 1000 mL.