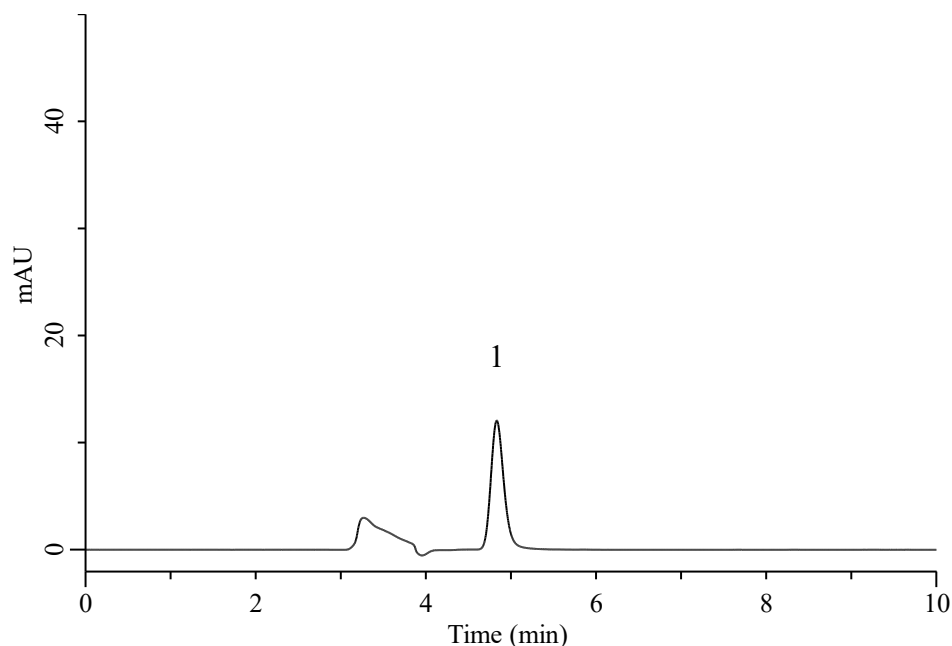


Analysis of Cyanocobalamin

(Under the Condition of USP41-NF36, Oil- and Water-Soluble Vitamins Capsules_
Cyanocobalamin_Method1)



Conditions

System : Chromaster PLUS (HITACHI)
Column : Inertsil ODS-HL (GL Sciences Inc.)
 (5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-87131
Eluent : A) CH₃OH
 B) H₂O
 A/B = 7/13, v/v
Flow Rate : 0.5 mL/min
Col. Temp. : 40 °C
Detection : VIS 550 nm (Chromaster 5420 UV-VIS)
Injection Vol. : 200 μ L
Sample : Standard in H₂O

Analyte:

1. Cyanocobalamin 1 μ g/mL

RSD of the peak area(%) (n=6) : 0.31 ($\leq$ 3.0)