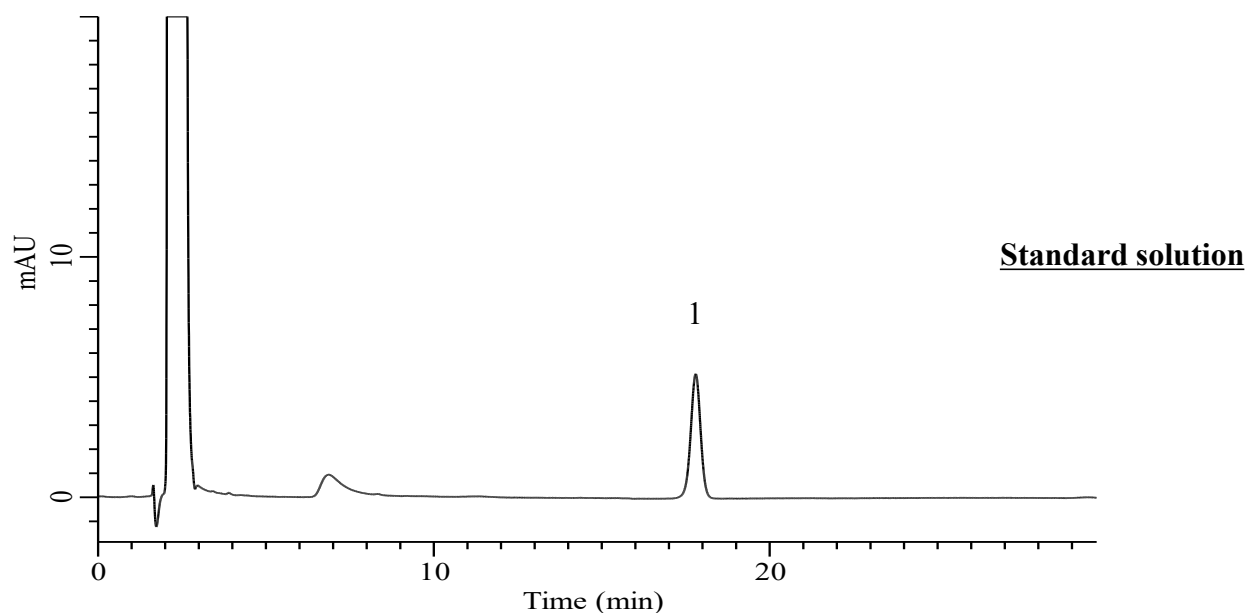


Analysis of D-Biotin

(Under the Condition of draft for USP, Water-Soluble Vitamins Chewable Gels, BIOTIN)



Conditions

System	: Chromaster PLUS (HITACHI)
Column	: InertSustain C8 (GL Sciences Inc.) (3.5 μm, 150 x 4.6 mm I.D.)
Column Cat. No.	: 5020-89995
Eluent	: Solution*
Flow Rate	: 1.0 mL/min
Col. Temp.	: 30 °C
Detection	: UV 200 nm (Chromaster 5420 UV-VIS)
Injection Vol.	: 100 μL
Sample	: Standard

Analyte:

1. D-Biotin	1.0 $\mu\text{g/mL}$
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RSD of
the peak area of 1 (%)(n=6) : 1.12 (≤ 3.0)

* : Mix 85 mL of acetonitrile, 1 g of sodium perchlorate, and 1 mL of phosphoric acid. Dilute with water to 1000 mL.