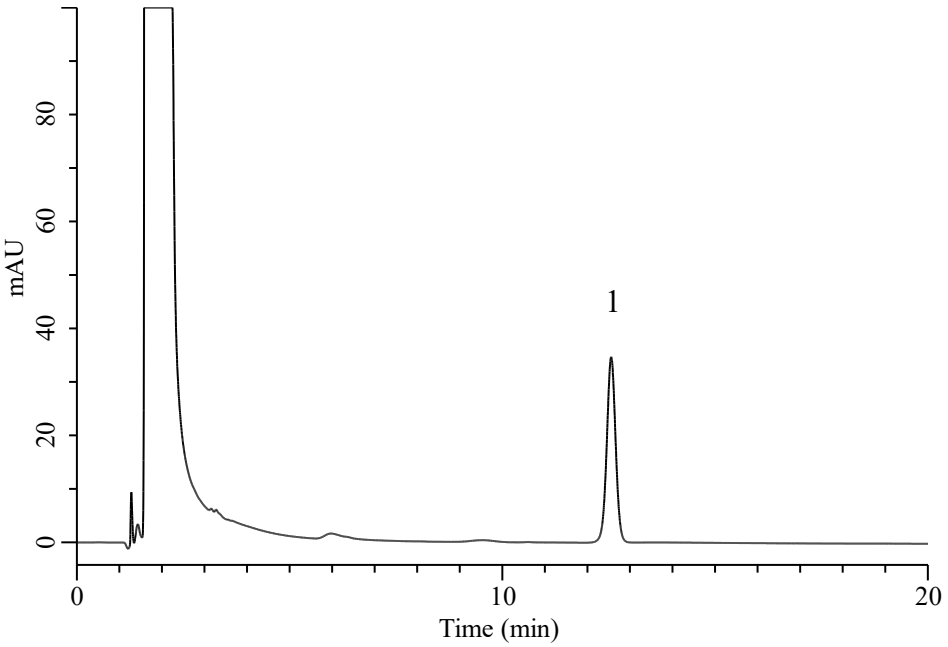
Analysis of D-Biotin

(Under the Condition of USP41-NF36, Oil- and Water-Soluble Vitamins Capsules_ BIOTIN_Method 1)



Conditions

System	:	Chromaster PLUS (HITACHI)
Column	:	InertSustain C8 (GL Sciences Inc.) (3 µm, 150 x 4.6 mm I.D.)
Column Cat. No.	:	5020-16157
Eluent	:	Solution*
Flow Rate	:	1.2 mL/min
Col. Temp.	:	40 ℃
Detection	:	UV 200 nm (Chromaster 5410 UV)
Injection Vol.	:	100 µL
Sample	:	Standard in DMSO/H_2O = 334/666

Analyte:

1. D-Biotin 5 µg/mL

RSD of the peak area(%)(n=6) : 0.92 (≦ 3.0)

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