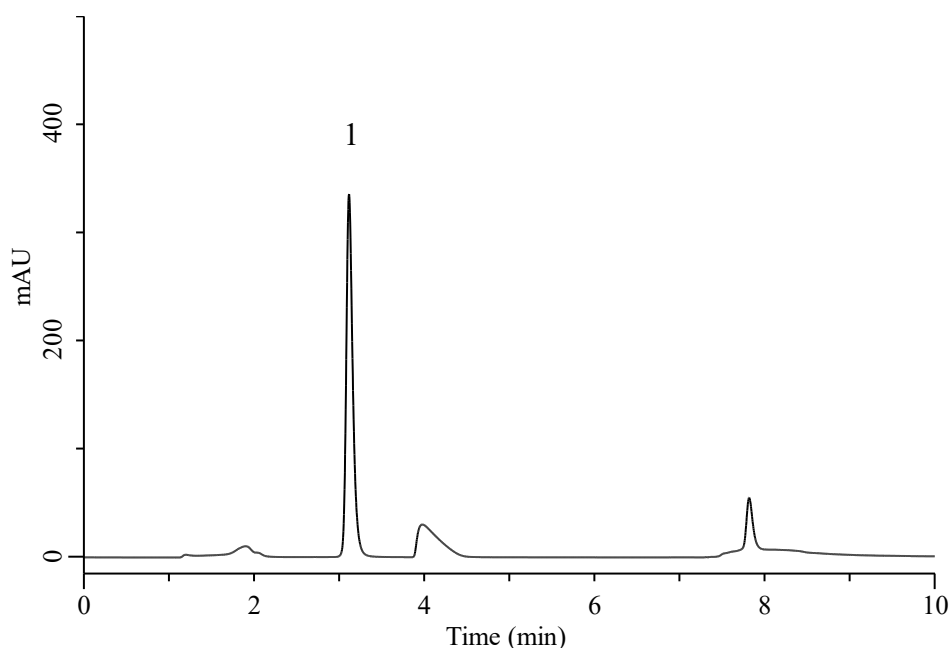


Analysis of Ascorbic acid

(Under the Condition of USP41-NF36, <580> VITAMIN C ASSAY_ PROCEDURE 2)



Conditions

System : Chromaster PLUS (HITACHI)
Column : InertSustain C8 (GL Sciences Inc.)
 (3.5 μ m, 150 x 4.6 mm I.D.)

Column Cat. No. : 5020- 89995

Eluent : A) CH₃OH
 B) Buffer*

Analyte:

1. Ascorbic acid 0.05 mg/mL

RSD of the peak area(%) (n=6) : 0.30 ($\leq$ 2.0)

Time (min)	A (vol %)	B (vol %)
0	0	100
3	0	100
5	100	0
6	50	50
7	0	100
10	0	100

Flow Rate : 0.8 mL/min
Col. Temp. : 40 °C
Detection : UV 245 nm (Chromaster 5410AD UV)
Injection Vol. : 10 μ L
Sample : Standard

*: Dissolve 73 g of metaphosphoric acid in 800 mL of water, add 84 mL of glacial acetic acid, and dilute with water to 1000 mL.