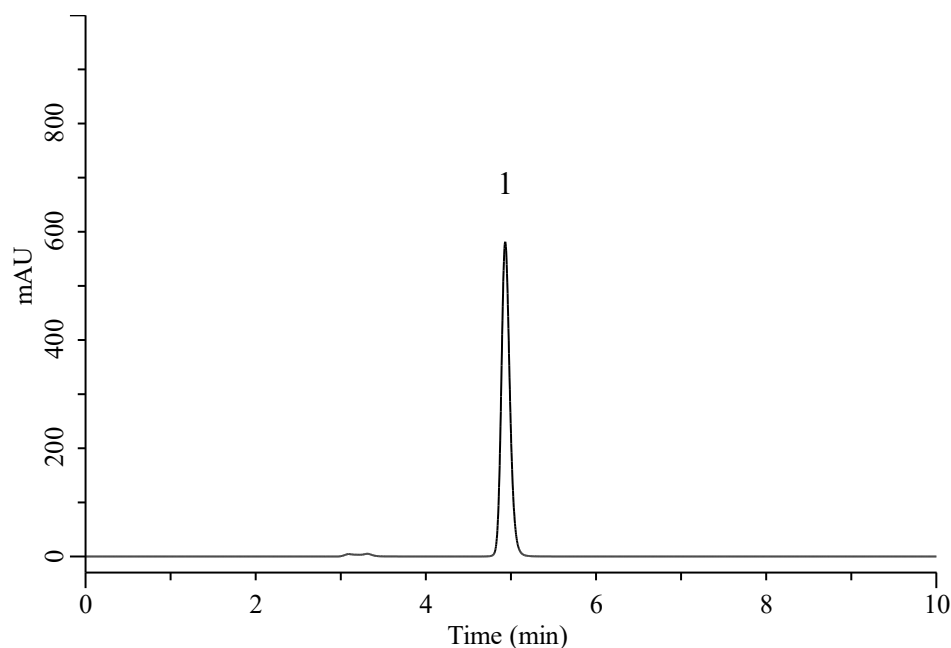


Analysis of Ascorbic acid

(Under the Condition of USP41-NF36, <580> VITAMIN C ASSAY_ PROCEDURE 1)



Conditions

System : Chromaster PLUS (HITACHI)
Column : InertSustain AQ-C18 (GL Sciences Inc.)
 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-89731
Eluent : Buffer*
Flow Rate : 1.0 mL/min
Col. Temp. : 40 °C
Detection : UV 245 nm (Chromaster 5410AD UV)
Injection Vol. : 5 μ L
Sample : Standard

Analyte:

1. Ascorbic acid 0.25 mg/mL

RSD of the peak area(%)(n=6) : 0.05 ($\leq$ 2.0)

* : 2.04 g/L of monobasic potassium phosphate in water. Adjust with phosphoric acid to a pH of 3.0.