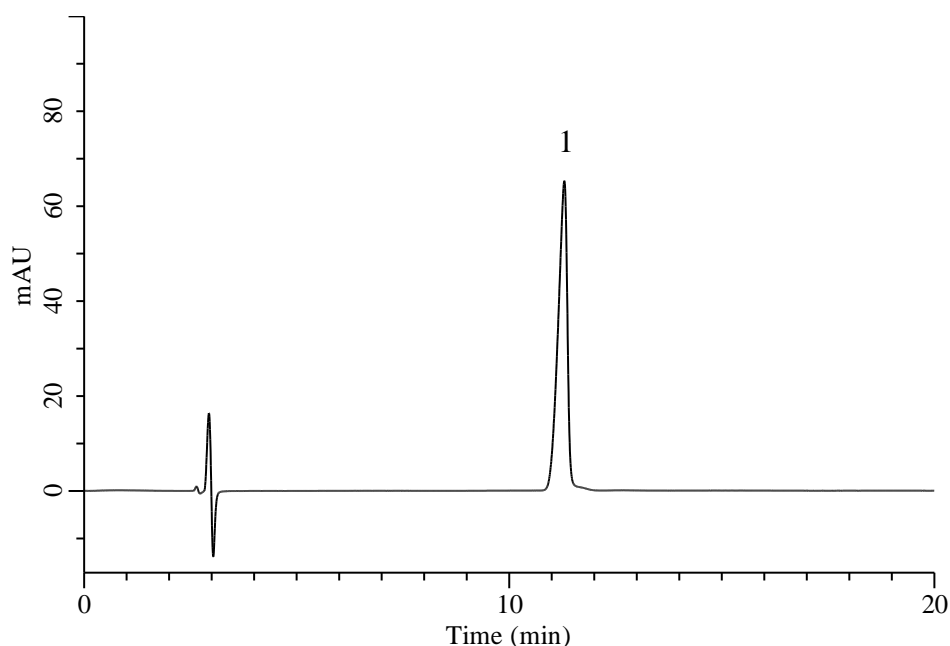


Analysis of Benzoic acid

(Under the Condition of food additive analysis method in food,
Benzoic Acid and Sodium Benzoate)



Conditions

System : Chromaster HPLC system (HITACHI)

Column : InertSustain C18 (GL Sciences Inc.)
(5 μ m, 250 x 4.6 mm I.D.)

Column Cat. No. : 5020-07346

Eluent : A) CH₃OH
B) H₂O
C) Buffer*
A/B/C = 36/59/5, v/v/v

Flow Rate : 1.0 mL/min

Col. Temp. : 40 °C

Detection : UV 230 nm

Injection Vol. : 20 μ L

Sample : Standard

Analyte:

1. Benzoic acid 10 μ g/mL

* Phosphate buffer solution (0.2 mol/L, pH 4.0): Dissolve 27.0 g of potassium dihydrogen phosphate and 0.2 g of phosphoric acid with water to make 1000 mL.