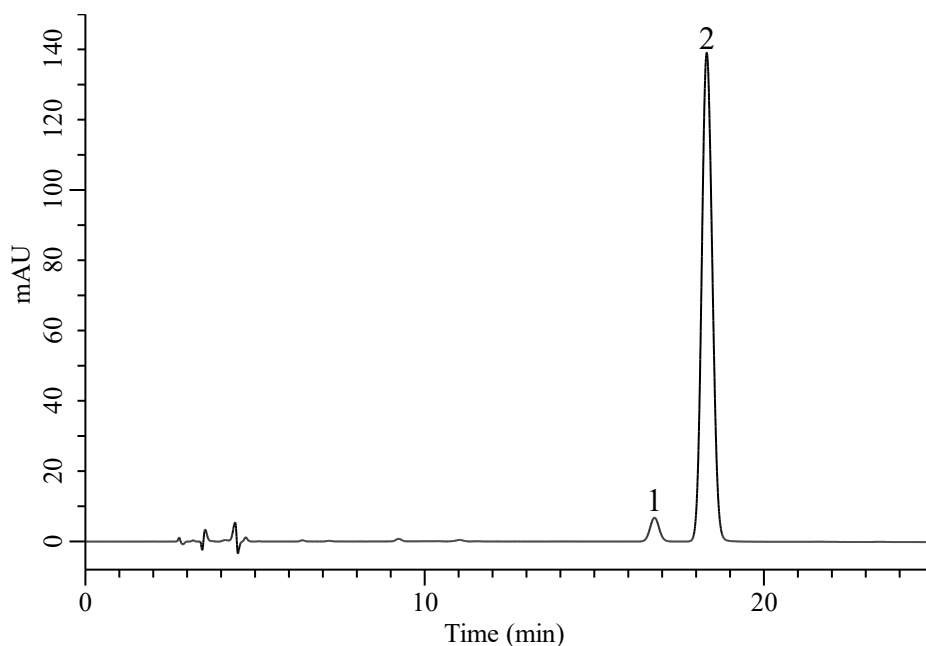


Analysis of Aspartame and L- α -aspartyl-D-phenylalanine methyl ester



Conditions

System : Primaide (HITACHI)
Column : InertSustain C18 (GL Sciences Inc.)
 (5 μ m, 250 x 4.6 mm I.D.)
Column Cat. No. : 5020-07346
Eluent : A) CH₃CN
 B) Buffer*
 A/B = 20/80, v/v
Flow Rate : 0.8 mL/min
Col. Temp. : 40 °C
Detection : UV 220 nm (Primaide 1435 DAD)
Injection Vol. : 10 μ L
Sample : Standard in CH₃OH/H₂O = 1/9, v/v

Analyte:

1. L- α -aspartyl-D-phenylalanine methyl ester 50 mg/L
2. Aspartame 500 mg/L

Resolution (1.2) : 2.85

*: 3.9 g/L of sodium dihydrogenphosphate dihydrate and 3.55g/L disodium hydrogenphosphate in water.