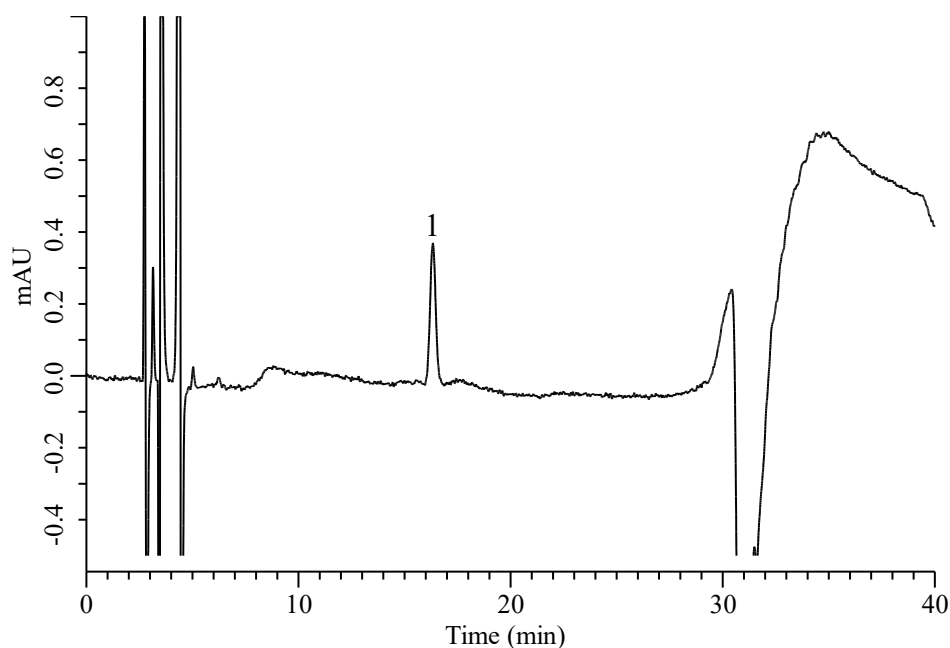


Analysis of L- α -aspartyl-D-phenylalanine methyl ester

(Japan's Standards and Specifications for Food Additives (10th ed.), Aspartame, Purity (5))



Conditions

System : Chromaster PLUS (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/Buffer* = 20/80, v/v
 B) CH₃CN/Buffer* = 13/87, v/v

Analyte:

1. L- α -aspartyl-D-phenylalanine
 methyl ester 1 mg/L

Time(min)	A(%)	B(%)
0.0	0	100
25.0	0	100
25.1	100	0
40.0	100	0

Flow Rate : 0.8 mL/min
Col. Temp. : 40 °C
Detection : UV 220 nm (Chromaster 5430 DAD)
Injection Vol. : 10 μ L
Sample : Standard in CH₃OH/H₂O = 1/9, v/v

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