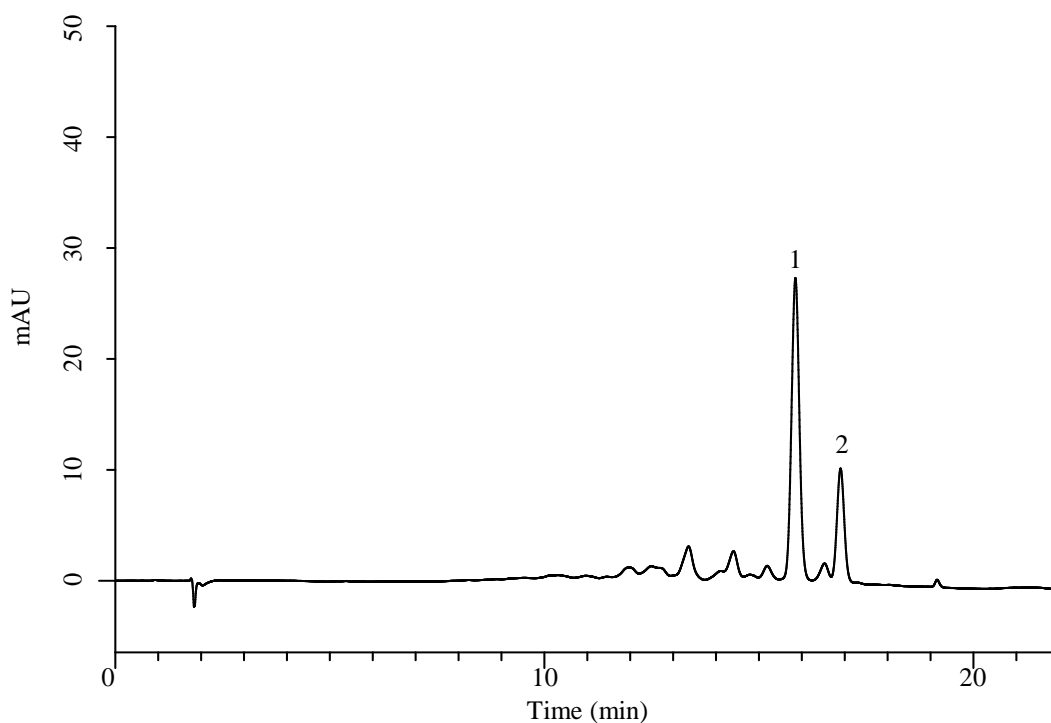


Analysis of Carotene

(Under the Condition of GB5009.83-2016)



Conditions

System : Chromaster HPLC system (HITACHI)
Column : InertSustain C30 (GL Sciences Inc.)
 (5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-17144
Eluent : A) CH₃OH/CH₃CN/H₂O = 73.5/24.5/2, v/v/v
 B) *tert*-Butyl methyl ether

Analyte:

1. α -Carotene
 2. β -Carotene
 (10 μ g/mL each)

Time (min)	A (vol%)	B (vol%)
0.0	100	0
15.0	59	41
18.0	20	80
19.0	20	80
20.0	0	100
22.0	100	0

Flow Rate : 1.0 mL/min
Col. Temp. : 30 °C
Detection : VIS 450 nm
Injection Vol. : 20 μ L
Sample : Standard