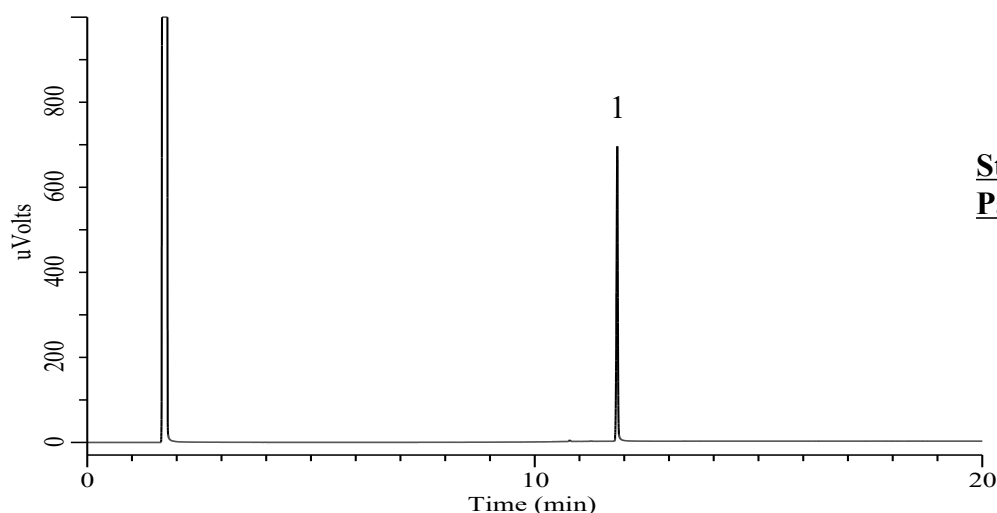
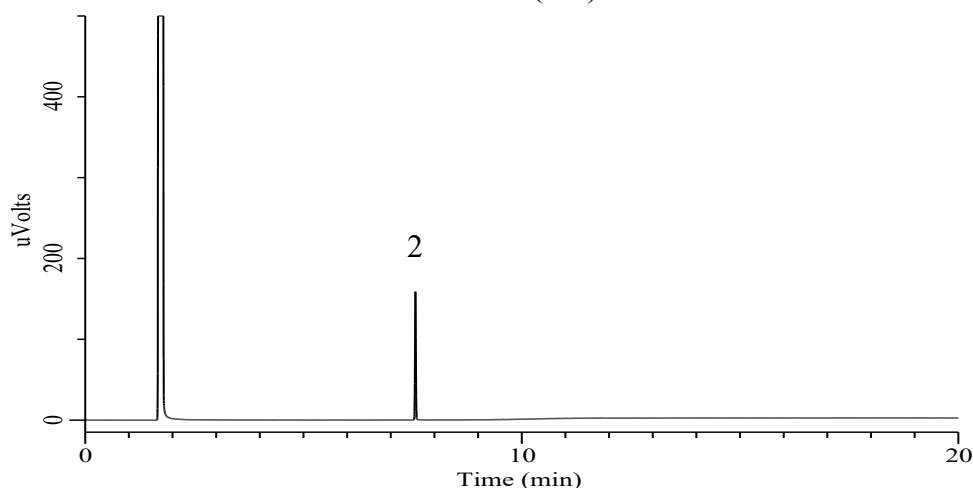


Analysis of Palmitic Acid and 2-Ethylhexanoic acid

(Under the Condition of the Japanese Standards of Quasi-Drug Ingredients,
Dextrin Palmitate/Ethyl hexanoate , Identification)



Standard solution
Palmitic acid



Standard solution
2-Ethylhexanoic acid

Conditions

System : GC-4000 Plus/FID
Column : InertCap FFAP (GL Sciences Inc.)
0.25 mm I.D. x 15 m df = 0.25 μm
Col. Cat. No. : 1010-28622
Col. Temp. : 60 °C (1 min)- 20 °C/min - 250 °C
- 250 °C(9.5 min)
Carrier Gas : He 0.9 mL/min , Constant Flow
Injection : Split 1 : 50
250 °C
Detection : FID Auto Range
250 °C
Sample Size : 1.0 μL

Analyte

1. Palmitic acid 5 mg/mL
2. 2-Ethylhexanoic acid 1 mg/mL

RSD of the
peak area of 1 (%) (n=6) : 0.58
peak area of 2 (%) (n=6) : 1.88