

Application Data

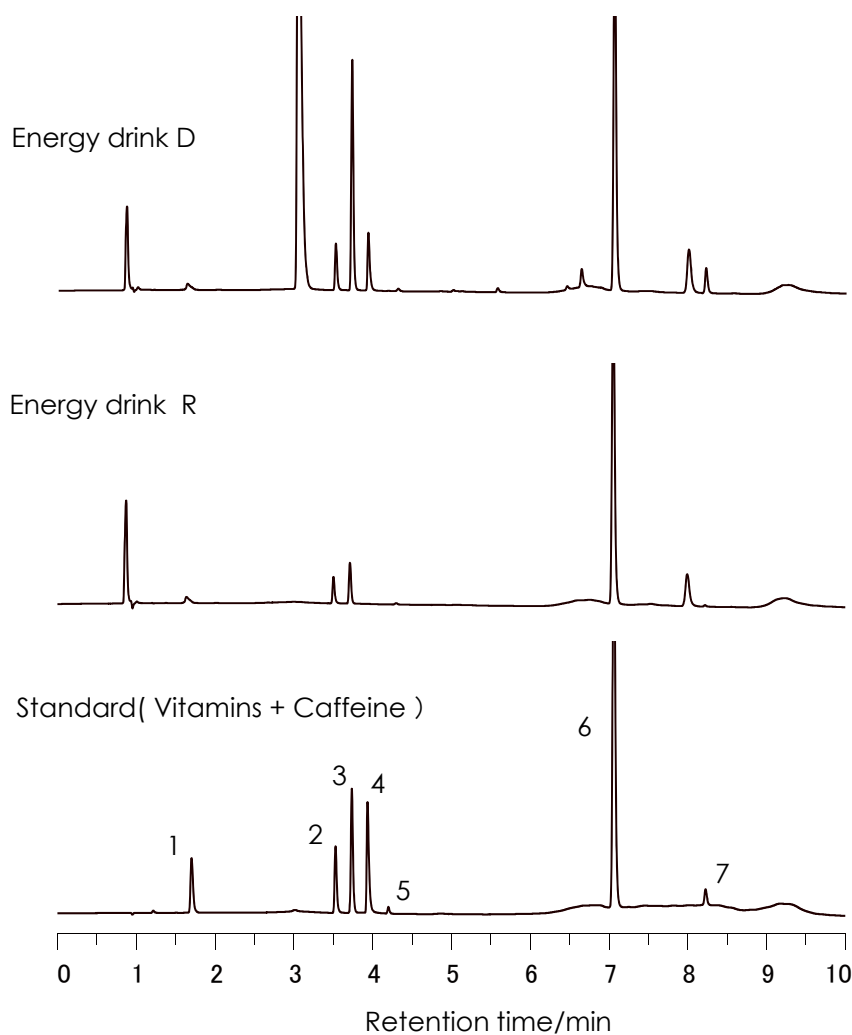
No. 1091H

ChromaNyk
ChromaNik Technologies Inc.

ドリンク剤中の水溶性ビタミン類の分離

Water-soluble vitamins in the drinks

SunShell RP-AQUA 2.6 μ m, 100 x 4.6 mm i.d.



- 1 O=C(O)c1cccnc1 Nicotinic acid
- 2 Cc1c(O)c(CO)c(O)c(O)n1 Pyridoxine HCl
Vitamin B₆
- 3 NC(=O)c1cccnc1 Nicotinamide
- 4 Cc1nc2c(ncn2S1)CCO Thiamine HCl
Vitamin B₁
- 5 C1=NC2=C(N1)N=CN2C3=NC(=O)N(C3)C4=CC(=O)N(C4)C(=O)O Folic acid
- 6 CN1C=NC2=C1C(=O)N(C)C(=O)N2C Caffeine
- 7 Cc1c(C)c2c(c1)nc(=O)[nH]2[C@@H]3O[C@H](CO)[C@@H](O)[C@H]3O Riboflavin
Vitamin B₂

Column: SunShell RP-AQUA 2.6 μ m, 100 x 4.6 mm

Mobile phase: A) 20mM Ammonium acetate

B) Acetonitrile

Time (min)	0	8	10
%B	0	20	20

Flow rate: 1.0 mL/min

Temperature: 40 °C

Detection: UV@230 nm

Injection volume: 1 μ L

Instrument
Hitachi Chromaster®
Detector: 5410
Oven: 5310
AutoSampler: 5260
Pump: 5160

