

# Application Data

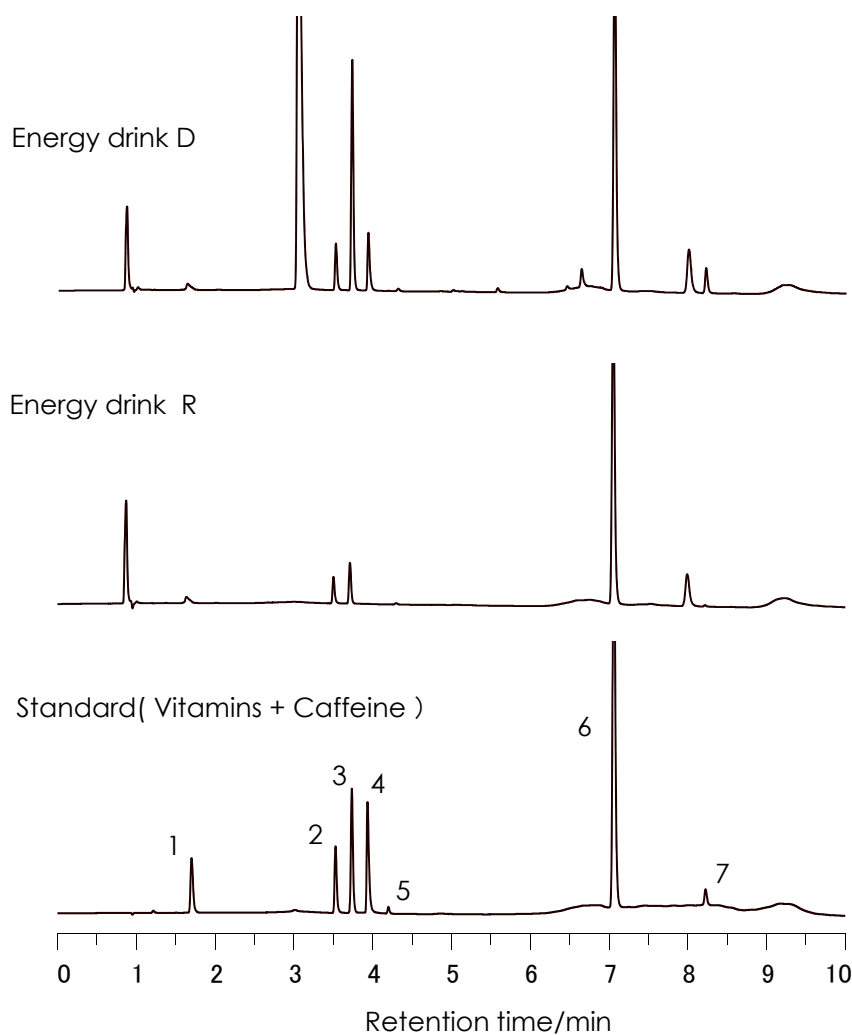
No. 1091H

ChromaNik  
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  $\mu$ m, 100 x 4.6 mm i.d.



- 1 NC(=O)c1cccnc1 Nicotinic acid
- 2 Cc1c(O)c(CO)c(O)c1 Pyridoxine HCl  
Vitamin B<sub>6</sub>
- 3 NC(=O)c1cccnc1 Nicotinamide
- 4 Cc1nc2c(ncn2S1)CCO Thiamine HCl  
Vitamin B<sub>1</sub>
- 5 C1=NC2=C(N1)N=CN2C3=NC(=O)N[C@@H]3C(=O)O Folic acid
- 6 CN1C=NC2=C1C(=O)N(C)C(=O)N2C Caffeine
- 7 Cc1c(C)c2c(c1)nc3c2c(=O)[nH]c3O Riboflavin  
Vitamin B<sub>2</sub>

Column: SunShell RP-AQUA 2.6  $\mu$ 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  $\mu$ L

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

