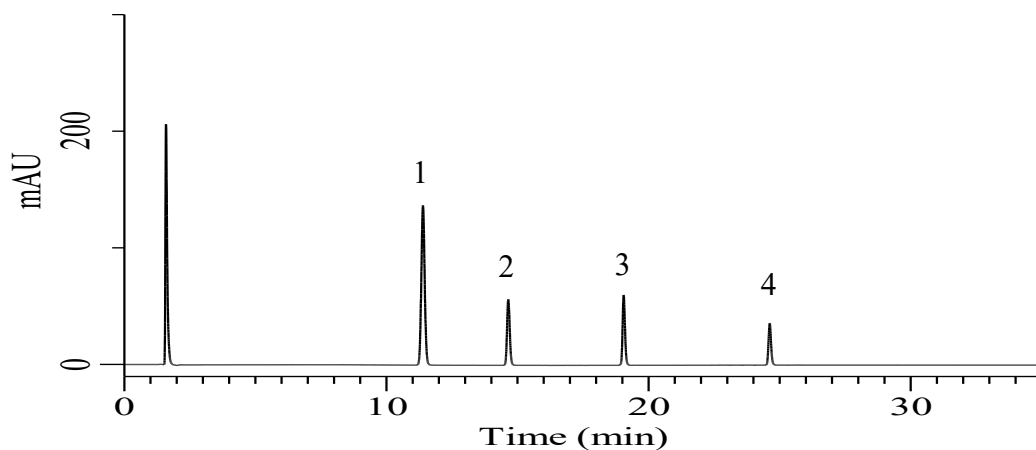


InertSearch for LC

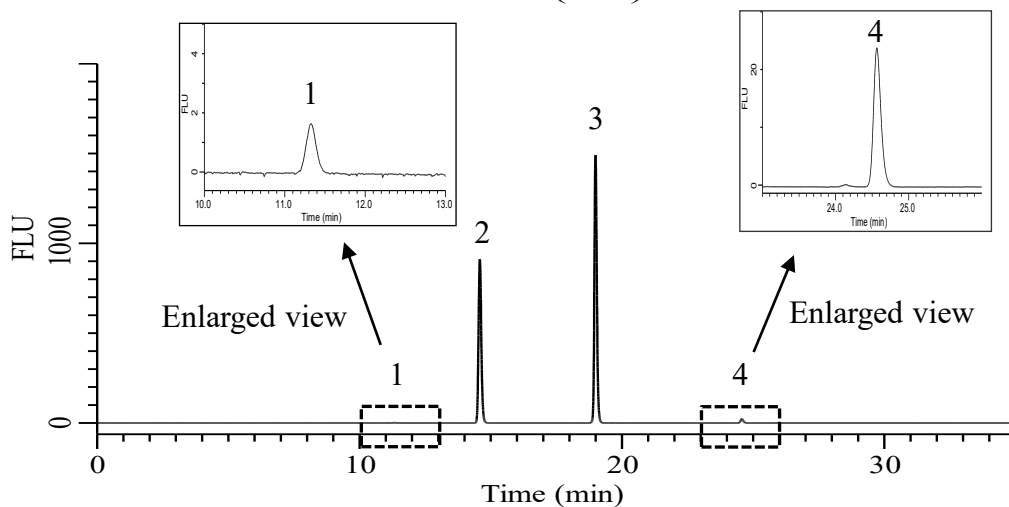
Inertsil Applications

Analysis of Antioxidants

Data No. LB862-7111



UV280 nm



Ex 280 nm
Em 325 nm

Conditions

System : Primaide HPLC system (HITACHI)
Column : InertSustain C18 (GL Sciences Inc.)
(5 μ m, 150 x 4.6 mm I.D.)
Column Cat. No. : 5020-07345
Eluent : A) $\text{CH}_3\text{CN}/\text{CH}_3\text{OH} = 50/50$, v/v
B) 5 vol% CH_3COOH in H_2O

Analyte:

1. Propyl gallate (PG) 50 μ g/mL
2. *tert*-Butylhydroquinone (TBHQ) 50 μ g/mL
3. Butyl hydroxyanisole (BHA) 50 μ g/mL
4. Butylated hydroxytoluene (BHT) 50 μ g/mL

Time (min)	A (vol %)	B (vol %)
0.0	20	80
5.0	20	80
20.0	90	10
35.0	90	10

Flow Rate : 1.0 mL/min
Col. Temp. : 40 $^\circ\text{C}$
Detection : UV 280 nm
FL Ex 280 nm, Em 325 nm

Injection Vol. : 5 μ L
Sample : Standard