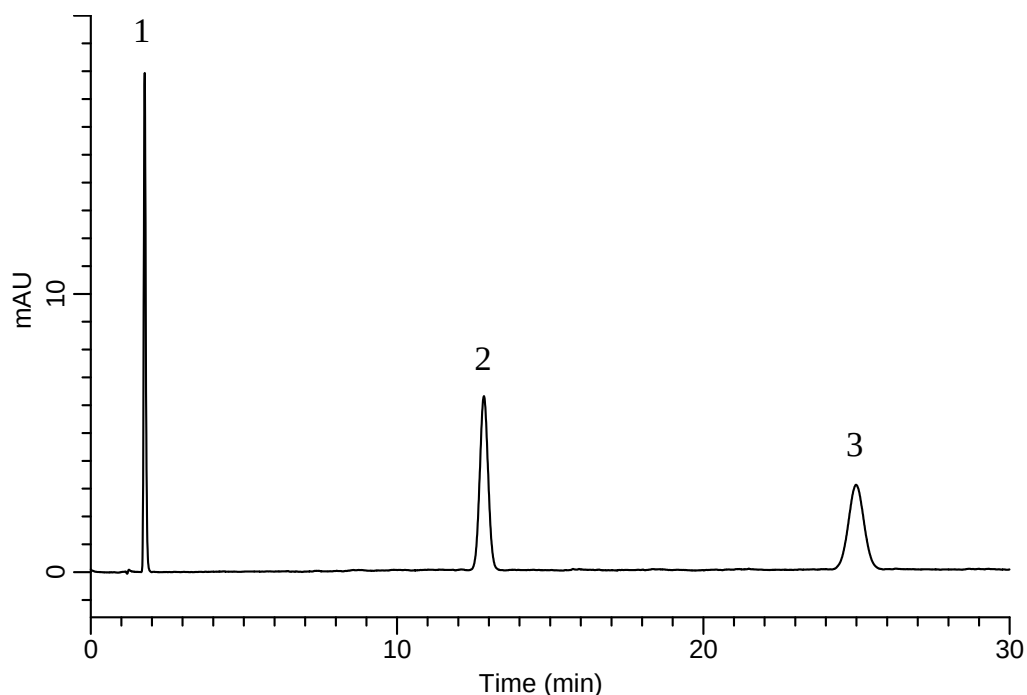


## Analysis of *p*-Hydroxybenzoic acid *n*-butyl ester

(Under the Condition of Japanese Pharmacopoeia)

Data No. LB099-0894



### Conditions

**System** : GL-7400 HPLC system  
**Column** : Inertsil ODS-4  
(5  $\mu$  m, 150 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-03945  
**Eluent** : A) CH<sub>3</sub>OH  
B) 50 mM KH<sub>2</sub>PO<sub>4</sub>  
A/B = 1/1, v/v  
**Flow Rate** : 1.3 mL/min  
**Col. Temp.** : 35 °C  
**Detection** : UV 272 nm (GL-7452 PDA Detector)  
**Injection Vol.** : 10  $\mu$  L  
**Sample** : Standard

### Analyte:

|                                                         |        |
|---------------------------------------------------------|--------|
| 1. <i>p</i> -Hydroxybenzoic acid                        | 5 mg/L |
| 2. <i>p</i> -Hydroxybenzoic acid <i>n</i> -propyl ester | 5 mg/L |
| 3. <i>p</i> -Hydroxybenzoic acid <i>n</i> -butyl ester  | 5 mg/L |

|                                  |                       |
|----------------------------------|-----------------------|
| Relative retention time (1 to 3) | : 0.07 (about 0.1)    |
| Relative retention time (2 to 3) | : 0.51 (about 0.5)    |
| Resolution (2, 3)                | : 16.84 ( $\geq$ 5.0) |