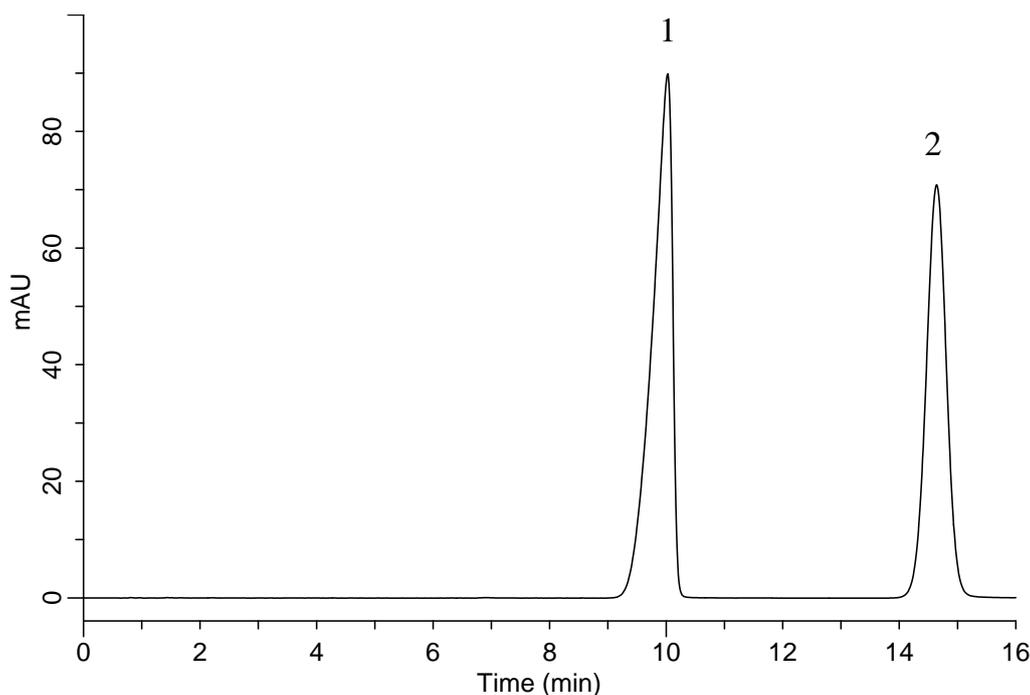


### Analysis of Mesalazine

(Under the Condition of the draft for the Japanese Pharmacopoeia,  
Mesalazine Extended-release Tablets)

Data No. LB409-0894



#### Conditions

**System** : GL7700 HPLC system  
**Column** : Inertsil ODS-4  
(5  $\mu$  m, 100 x 4.0 mm I.D.)  
**Column Cat. No.** : 5020-03934  
**Eluent** : Solution\*  
**Flow Rate** : 0.83 mL/min  
**Col. Temp.** : 40 °C  
**Detection** : UV 300 nm (PD7752 PDA Detector)  
**Injection Vol.** : 10  $\mu$  L  
**Sample** : Standard

#### Analyte:

1. Mesalazine 160 mg/L  
2. Ethyl *p*-Aminobenzoate 50 mg/L

Resolution (1,2) : 7.3 ( $\geq 3$ )

\* Dissolve 0.865 g of sodium lauryl sulfate, 0.679 g of tetrabutylammonium hydrogensulfate ,  
and 1 mL of phosphoric acid in 400 mL of methanol.  
Add water to make 1000 mL.