

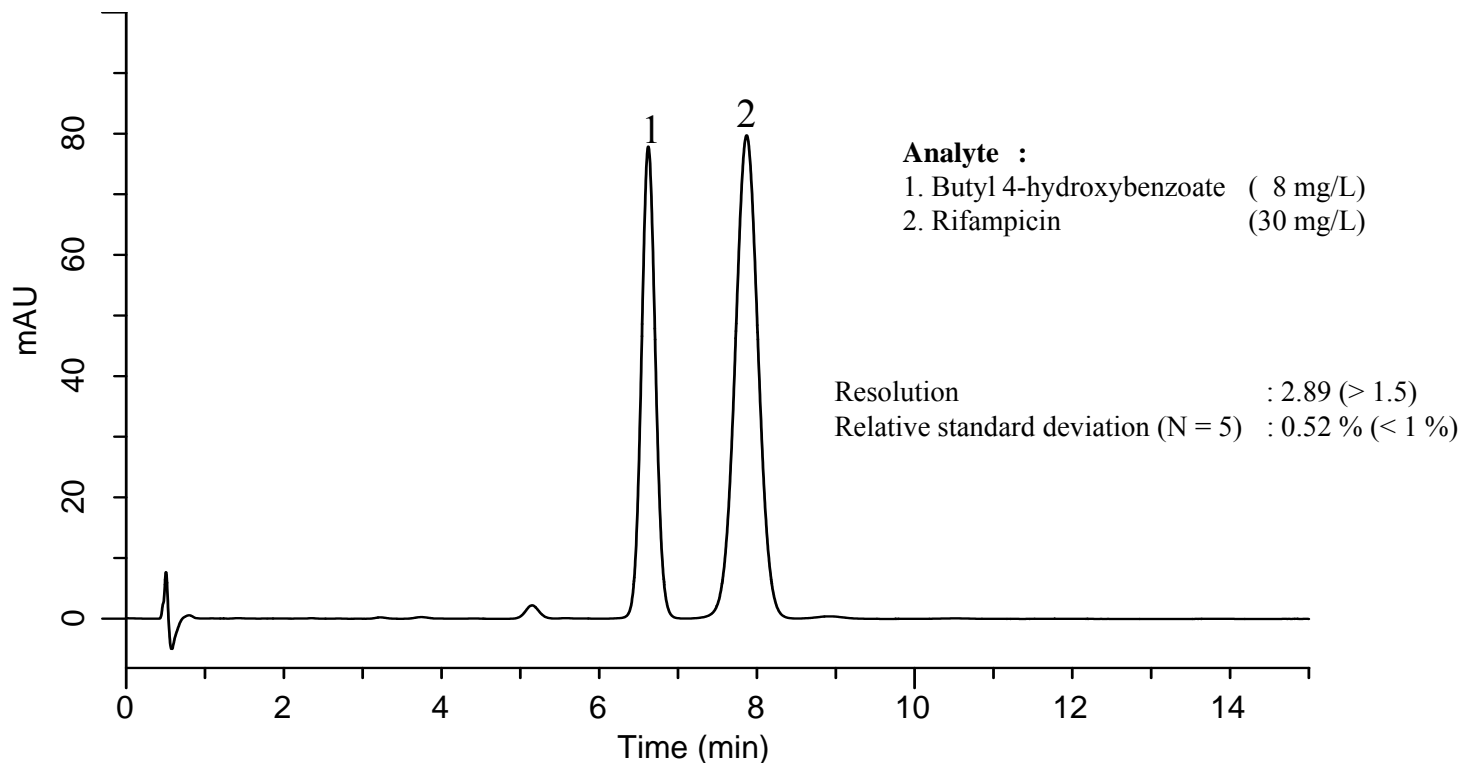
# InertSearch™ for LC

Inertsil® Applications

## Analysis of Rifampicin

(Under the Condition of Japanese Pharmacopoeia 16)

Data No. LA899-811



### Conditions

**System** : GL-7400 HPLC system  
**Column** : Inertsil C8-4 (5 µm, 100 x 4.6 mm I.D)  
**Column Cat. No.** : 5020-04084  
**Eluent** : Mixed liquid\*  
**Flow Rate** : 2.0 mL/min  
**Col. Temp.** : 25 °C  
**Detection** : UV 254 nm nm (GL-7450 UV Detector)  
**Injection Vol.** : 50 µL  
**Sample** : Standard

\* Mixed liquid: Dissolve 4.2 g of Citric acid monohydrate and 1.4 g of Sodium perchlorate in 1000 mL of the mixture (H<sub>2</sub>O / CH<sub>3</sub>CN / Phosphoric acid buffer (pH 3.1)\*\* = 11/7/2,v/v/v)

\*\* Phosphoric acid buffer (pH 3.1) : Transfer 136.1 g of Potassium dihydrogen phosphate to a 1000 mL volumetric flask ,dissolve in 500 mL of water, add 6.3 mL of Phosphoric acid, and dilute with water to volume, and mix.