

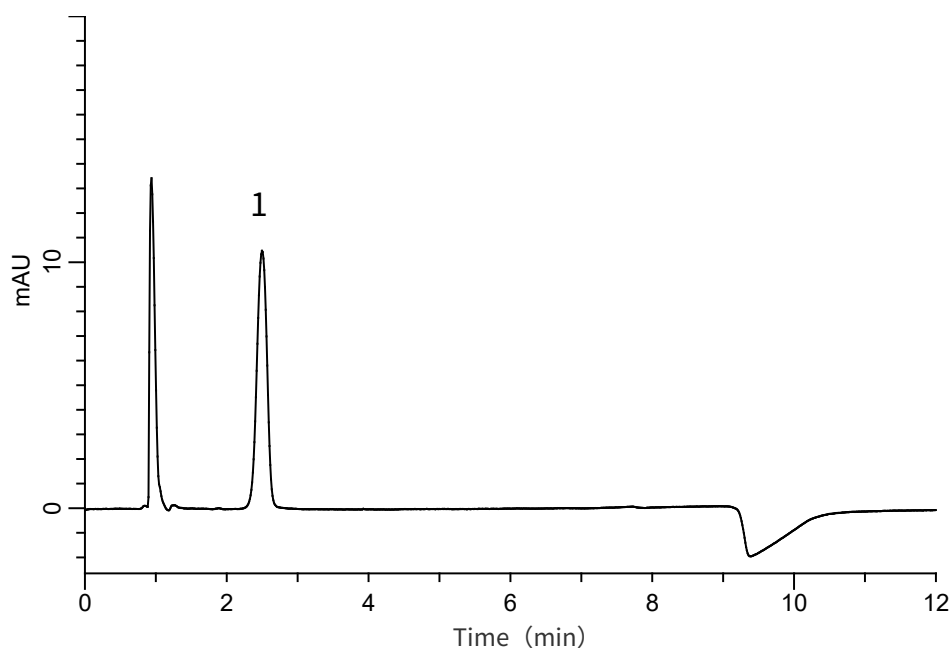
InertSearch™ for LC

Inertsil® Applications

Analysis of Miglitol

(Under the Condition of the Japanese Pharmacopoeia, Miglitol Tablets)

Data No. LB280-0894



Conditions

System : GL7700 HPLC system
Column : Inertsil NH2*
(5 μ m, 125 x 4.6 mm I.D.)
Column Cat. No. : 5020-
Eluent : A) CH₃CN
B) Buffer**
A/B = 70/30, v/v
Flow Rate : 1.6 mL/min
Col. Temp. : 40 °C
Detection : UV 210 nm (PD7752 PDA Detector)
Injection Vol. : 20 μ L
Sample : Standard

Analyte:

1. Miglitol 28 mg/L
Theoretical plates : 1,387 ($\geq 1,000$)
Tailing factor : 0.96 (≤ 1.5)
RSD of the
peak area (%) (n=6) : 0.40 (≤ 2.0)

* Conditioned by Eluent, about 0.2 mL/min for 24 hrs.

** Dissolve 0.6 g of Potassium dihydrogen phosphate and 0.28 g of Disodium hydrogen phosphate anhydrous in 1000 mL of water.