

# HPLC Application

ID No.: 15670

## Guaifenesin Tablets - Modified USP (Synergi 4 $\mu$ m Fusion-RP)

**Column:** Synergi<sup>™</sup> 4  $\mu$ m Fusion-RP 80 Å, LC Column 150 x 4.6 mm, Ea

**Dimensions:** 150 x 4.6 mm ID

**Order No:** 00F-4424-E0

**Elution Type:** Isocratic

**Eluent A:** Water

**Eluent B:** Methanol

**Eluent C:** Glacial Acetic acid

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B	Pct C
	1	0	59	39.5	1.5

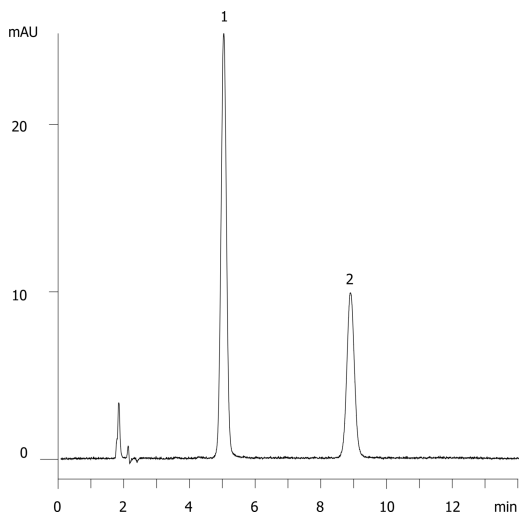
**Flow Rate:** 1 mL/min

**Col. Temp.:** 25 °C

**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 276 nm (25 °C)

**Analyst Note:** mobile phase is water:methanol:glacial acetic acid (60:40:1.5) per USP

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### ANALYTES:

**1** Guaiacol glyceryl ether

Retention Time: 5.043 min

**2** Benzoic acid

Retention Time: 8.903 min

