

HPLC Application

ID No.: 15006

Guaifenesin Tablets - Modified USP Method

Column: Gemini® 5 µm C18 110 Å, LC Column 150 x 4.6 mm, Ea

Dimensions: 150 x 4.6 mm ID

Order No: 00F-4435-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

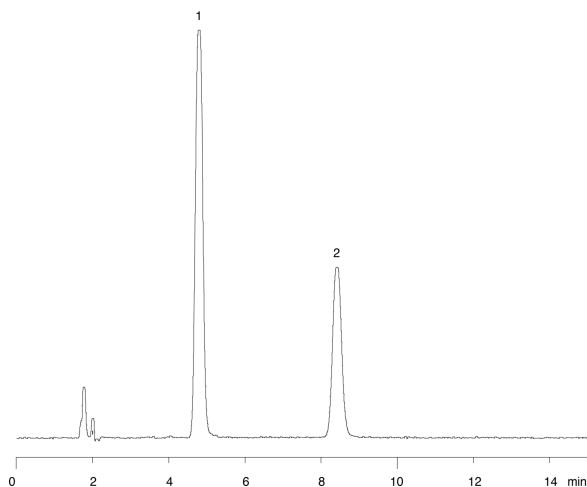
Detection: UV-Vis Abs.-Variable Wave.(UV) @ 276 nm (25 °C)

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

15006



Products used in this application:



ANALYTES:

1 Guaiacol glyceryl ether

Retention Time: 4.796 min

2 Benzoic acid

Retention Time: 8.415 min

