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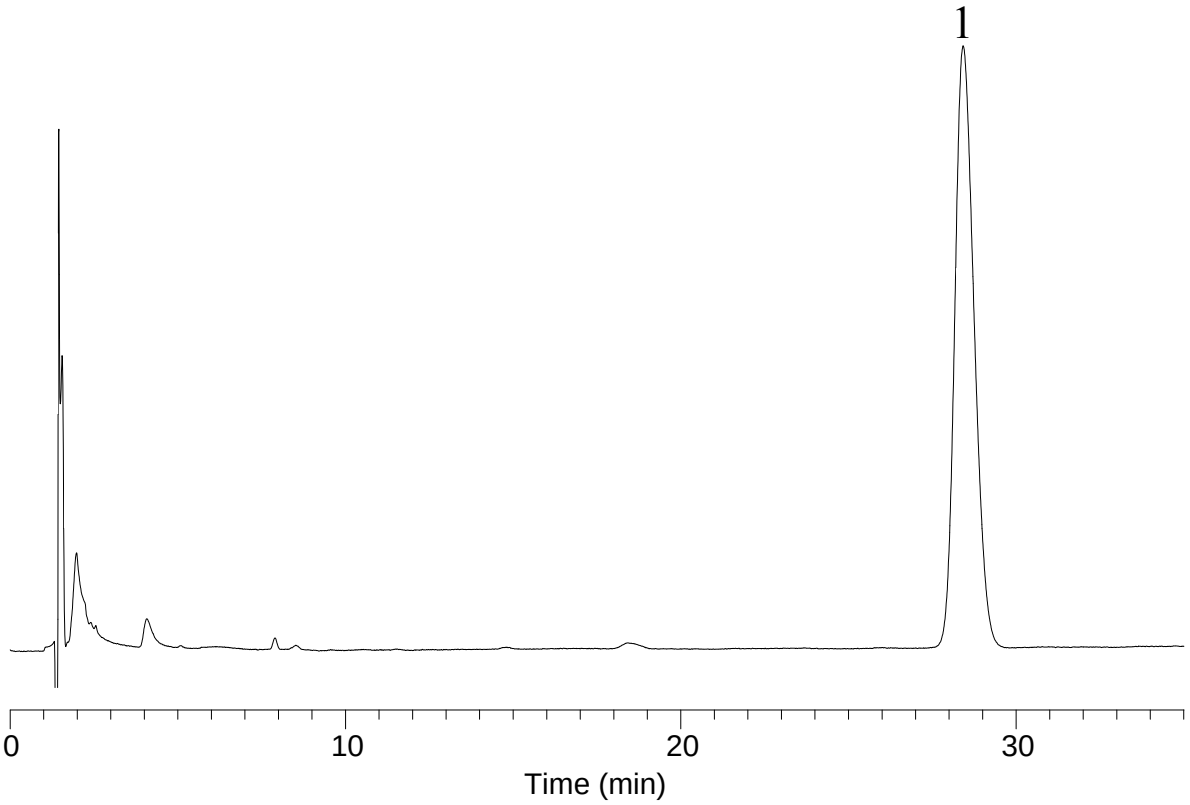
Analysis of Azithromycin

(Based on the Condition of United States Pharmacopeia)

Data No. LA943-0871



Conditions

System	**:** GL-7400 HPLC system
Column	**:** InertSustain C18 (5 µm, 250 x 4.6 mm I.D.)
Column Cat. No.	**:** 5020-07346
Eluent	**:** A) CH_3CN
	: B) CH_3OH
	: C) Buffer*
	A/B/C = 9/3/8, v/v/v (Premix)
Flow rate	**:** 1.5 mL/min
Col. Temp.	**:** 50℃
Detection	**:** UV 210 nm (GL-7452A PDA Detector)
Injection Vol.	**:** 50 µL
Sample	**:** Azithromycin Tablet

* Buffer: A solution containing 4.4 mg/mL of dibasic potassium phosphate and 0.5 mg/mL of sodium 1-octanesulfonate. Adjust with phosphoric acid to a pH of 8.20 ± 0.05.

Analyte:

1. Azithromycin

Theoretical plates	: 11,086 (> 1,000)
Tailing factor	: 1.23 (< 2.0)