

HPLC Application

ID No.: 27273

Ph. Eur. Azithromycin - Related Substances Standard Solution (6 replicates) on Durashell 5 µm C18(L) 250 x 4.6

Column: N/A

Dimensions: N/A

Order No: N/A

Elution Type: N/A

Eluent A: 1.80 g/L solution of anhydrous disodium hydrogen phosphate adjusted to pH 8.9

Eluent B: Acetonitrile:Methanol = 75:25

Gradient Profile:	Step No.	Time (min)	Pct A	Pct B
	1	0	50	50
	2	25	45	55
	3	30	40	60
	4	80	25	75
	5	81	50	50
	6	93	50	50

Flow Rate: 1 mL/min

Col. Temp.: 60 °C

Detection: LC/UV (DAD, PDA) @ 210.000000000 nm (nanometers) (ambient)

Analyst Note: Diluent buffer: 1.73 g/L solution of ammonium dihydrogen pH adjusted to 10.0 with ammonia

Diluent: Diluent buffer: Acetonitrile: methanol = 35:30:35 (v/v/v)



ANALYTES:

- 1** Azithromycin
Retention Time: 48.82 min
- 2**
- 3**