

HPLC Application

ID No.: 27275

Ph. Eur. Azithromycin - Related Substances Peak Identification Solution on Durashell 5 µm C18(L) 250 x 4.6 mm

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	Step No.	Time (min)	Pct A	Pct B
Profile:	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)



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ANALYTES:

- 1** Azithromycin Impurity L
- 2** Azithromycin Impurity C
- 3** Azithromycin Impurity M
- 4** Azithromycin Impurity E
- 5** Azithromycin Impurity F
- 6** Azithromycin Impurity J
- 7** Azithromycin Impurity I
- 8** Azithromycin Impurity N
- 9** Azithromycin Impurity A
- 10** Azithromycin Impurity P
- 11** Azithromycin
- 12** Azithromycin Impurity O
- 13** Azithromycin Impurity G
- 14** Azithromycin Impurity B

