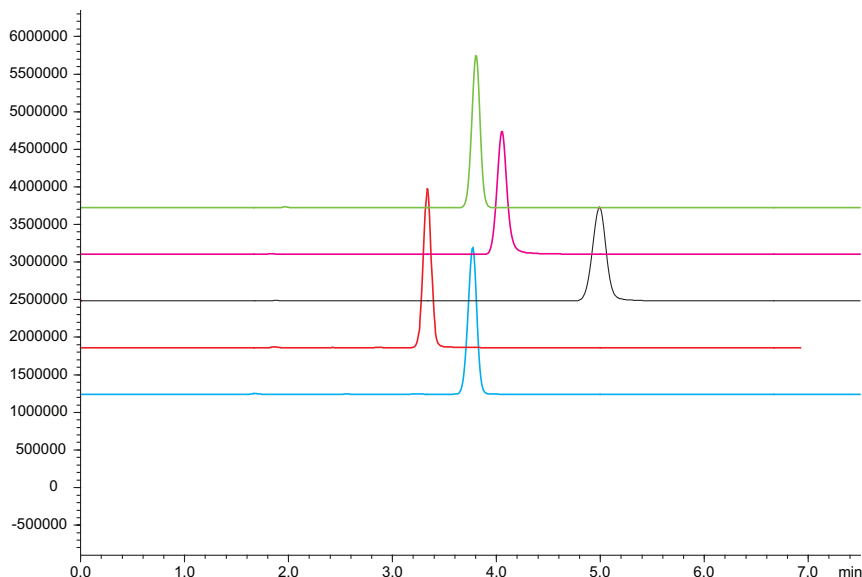
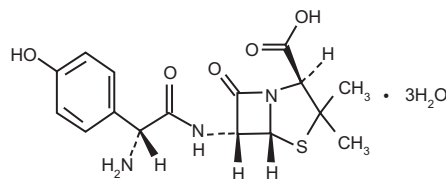


Amoxicillin (U.S.P.)

On GraceSmart™ HPLC Column



- GraceSmart™ C18 Part # 5138810
- Competitor 1 C18
- Competitor 2 C18
- Competitor 3 C18
- Competitor 4 C18

Test condition (as USP assay)

Test sample: 1.2mg/ml Amoxicillin in 0.05 N monobasic potassium phosphate (adjusted with 45% (w/w) solution of potassium hydroxide to a pH of 5.0 ± 0.1)

Column: 4.6 x 250mm C18

Flow: 1.5ml/min

Eluent: Isocratic, 0.05 N monobasic potassium phosphate (adjusted with 45% (w/w) solution of potassium hydroxide to a pH of 5.0 ± 0.1) : acetonitrile 96:4

Detection: Absorbance, 230nm

Column temp. : 30°C

Injection Volume: 10µl

	USP Spec	GraceSmart™ C18	Comp 1 C18	Comp 2 C18	Comp 3 C18	Comp 4 C18
Ret. Time (min)	N/A	3.800	4.050	4.988	3.333	3.768
Theoretical plates	≥1700	8543	7216	6230	7049	7680
Tailing Factor	≤2.5	1.015	1.180	1.041	1.034	0.979
k ^ˆ	1.1≤k ^ˆ ≤2.8	1.2	1.6	2.3	0.99	1.6

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