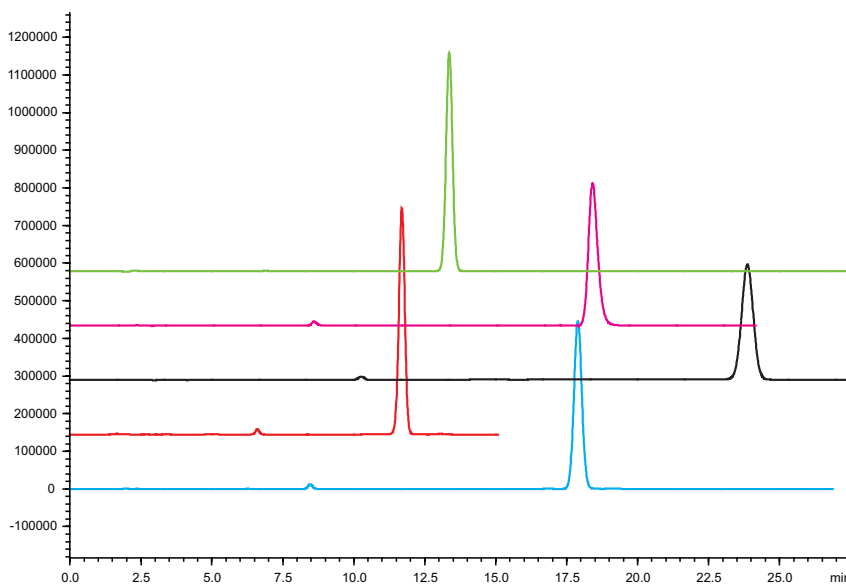
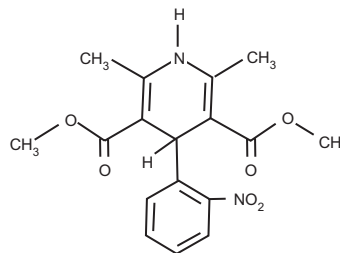


Nifedipine (U.S.P.)

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: 0.1 mg/ml Nifedipine in mobile phase

Column: 4.6 x 250mm, 5µm C18

Flow: 1.0ml/min

Eluent: Isocratic, water : ACN : MeOH 50:25:25

Detection: Absorbance, 235nm

Column temp. : 30°C

Injection Volume: 25µl

	USP Spec	GraceSmart™ C18	Comp 1 C18	Comp 2 C18	Comp 3 C18	Comp 4 C18
Ret. Time(min)	N/A	13.359	18.410	23.864	11.689	17.891
Theoretical plates	≥4000	15372	14554	15129	13860	18300
Tailing Factor	≤1.5	1.033	1.233	1.013	1.001	1.042

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