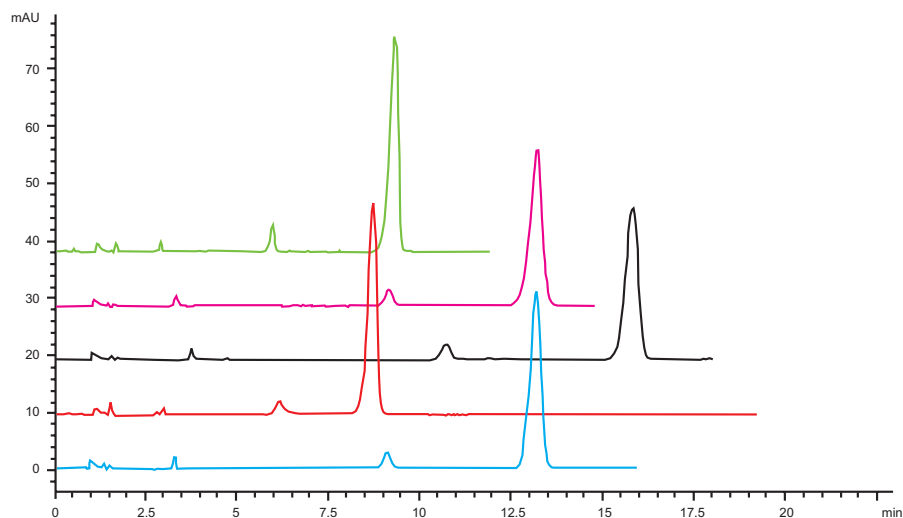
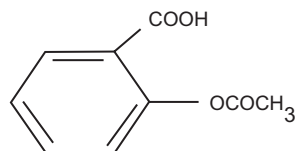


Aspirin Tablets (U.S.P)

On GraceSmart™ HPLC Column



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

Test condition (as USP assay)

Test sample: 0.5mg/ml Aspirin, 0.015mg/ml Salicylic Acid in acetonitrile and formic acid (99:1)

Column: 4.6 x 250mm C18

Flow: 2ml/min

Eluent: Isocratic, 2g sodium 1-heptanesulfonate in a mixture of 850ml water and 150ml acetonitrile (adjust with glacial acetic acid to a pH of 3.4)

Detection: Absorbance, 280nm

Column temp. : 30°C

Injection Volume: 10µl

	USP Spec	GraceSmart™ C18	Comp 1 C18	Comp 2 C18	Comp 3 C18	Comp 4 C18
Aspirin Peak Retention Time (min)	N/A	9.325	13.213	15.827	8.720	13.195
Salicylic Acid Peak Relative Retention Time (1.0 for Aspirin)	0.7	0.64	0.68	0.67	0.71	0.68
Aspirin Peak Height	N/A	37.6	27.2	26.5	36.8	30.6
Resolution	≥2.0	10.04	8.28	9.38	6.68	8.96
Aspirin Peak Tailing Factor	≤2.0	0.739	0.829	0.873	0.778	0.837

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