

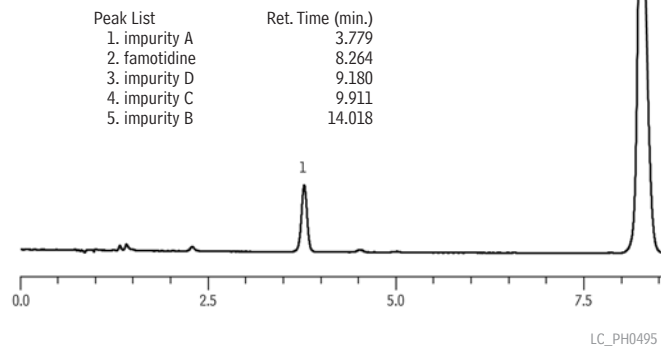
Famotidine

Famotidine and USP Impurities

Ultra II® Aromax



Fast! 5µm



Sample:
 Inj.: 10µL
 Conc.: 100µg/mL famotidine, 10µg/mL each impurity
 Sample diluent: methanol

Column:
 Ultra II® Aromax
 Cat.#: 9607565
 Dimensions: 150mm x 4.6mm
 Particle size: 5µm
 Pore size: 100Å

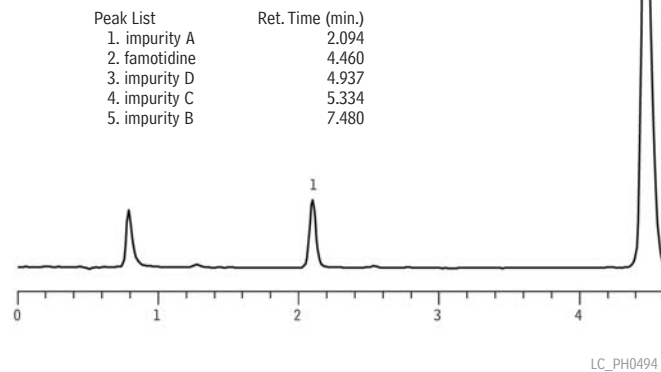
Conditions:
 Instrument: Shimadzu Prominence UFLCxR
 Mobile phase: 20mM potassium phosphate (pH 2.5):methanol

Time (min.)	%B
0	5
15	35

Flow: 2.0mL/min.
 Temp.: 40°C
 Pressure: 140bar
 Det.: UV @ 268nm

R_x

Faster! 3µm



Sample:
 Inj.: 5µL
 Conc.: 100µg/mL famotidine, 10µg/mL each impurity
 Sample diluent: methanol

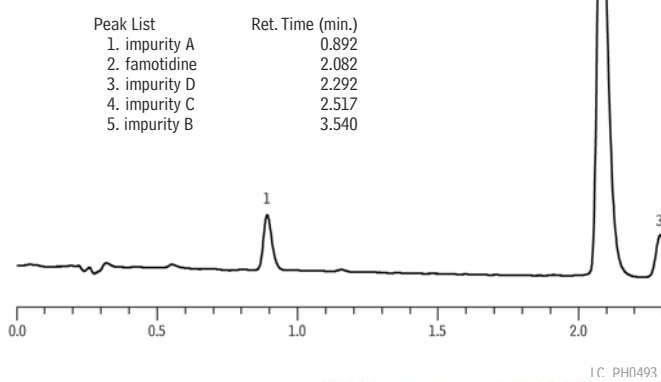
Column:
 Ultra II® Aromax
 Cat.#: 9607313
 Dimensions: 100mm x 3.2mm
 Particle size: 3µm
 Pore size: 100Å

Conditions:
 Instrument: Shimadzu Prominence UFLCxR
 Mobile phase: 20mM potassium phosphate (pH 2.5):methanol

Time (min.)	%B
0	5
8	35

Flow: 1.2mL/min.
 Temp.: 40°C
 Pressure: 345bar
 Det.: UV @ 268nm

Fastest! 2.2µm



Sample:
 Inj.: 2µL
 Conc.: 100µg/mL famotidine, 10µg/mL each impurity
 Sample diluent: methanol

Column:
 Ultra II® Aromax
 Cat.#: 9607853
 Dimensions: 50mm x 3.0mm
 Particle size: 2.2µm
 Pore size: 100Å

Conditions:
 Instrument: Shimadzu Prominence UFLCxR
 Mobile phase: 20mM potassium phosphate (pH 2.5):methanol

Time (min.)	%B
0	5
4	35

Flow: 1.2mL/min.
 Temp.: 40°C
 Pressure: 480bar
 Det.: UV @ 268nm