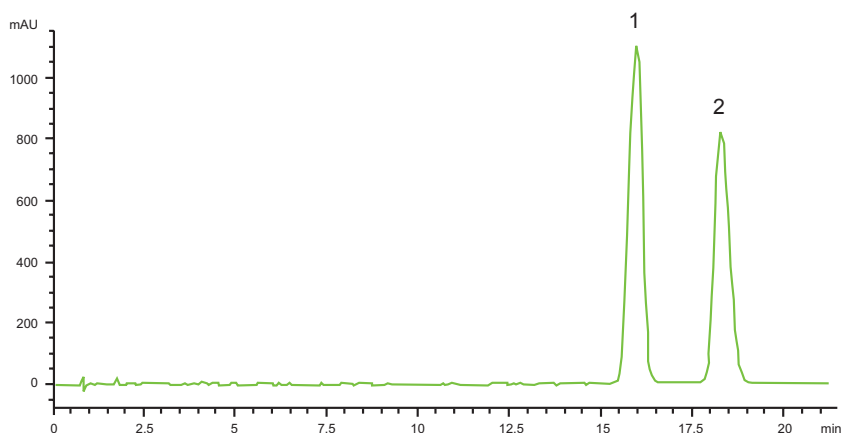
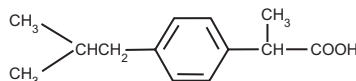


Ibuprofen (U.S.P.)

On GraceSmart™ HPLC Column



Test condition
(as USP Chromatographic purity)

Test solution: 5mg/ml Ibuprofen in acetonitrile

Resolution solution: 5mg/ml Ibuprofen, 5mg/ml valerophenone in acetonitrile

Column: GraceSmart™ C18, 4.6 x 150mm (Part #: 5138812)

Flow: 2ml/min

Eluent: H₂O (adjusted with phosphoric acid to a pH of 2.5) : acetonitrile 6.5:3.5

Detection: Absorbance, 214nm

Injection Volume: 5µl

Sample	Retention Time (min)	Area	Resolution
1.) Valerophenone	16.056	27125.6	N/A
2.) Ibuprofen	18.386	22855.6	3.38 (USP Spec ≥2.0)

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