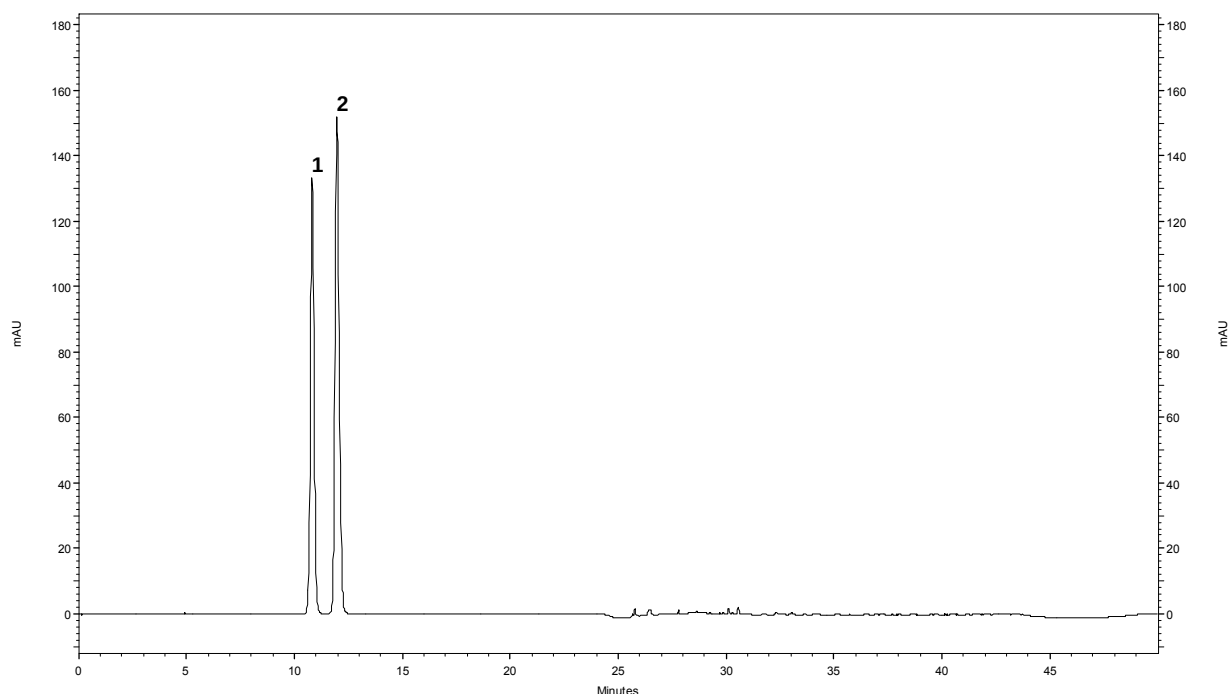




Dihydrocodeine Oral solution – BP 2019

These chromatograms are provided for information only as an aid to analysts and are intended as guidance for the interpretation and application of BP monographs.

Typical chromatogram for solution (3) in the Related Substances test for Dihydrocodeine Oral Solution as published in BP 2019.



Peak ID: 1: Dihydrocodeine tartrate; 2: Codeine phosphate

Column : Hypersil Gold C8 (250 mm × 4.6 mm, 5 µm)
Mobile Phase A : 2.0 g of sodium heptanesulfonate dissolved in 20 mL of glacial acetic acid, 8 mL of a solution of 20 % v/v trimethylamine in a mixture of 50 % acetonitrile and 50 % water and 340 mL of acetonitrile, all diluted to 2 L with water.
Mobile Phase B : Acetonitrile
Gradient :

Time (min)	Mobile Phase A (%)	Mobile Phase B (%)
0-20	100	0
20-25	100-20	0-80
25-40	20	80
40-45	20-100	80-0
45-50	100	0

Diluent : Mobile phase A
Flow Rate : 1.0 mL/min
Column Temp : 25°C
Injection Volume : 20 µL
Detection : UV, 284 nm