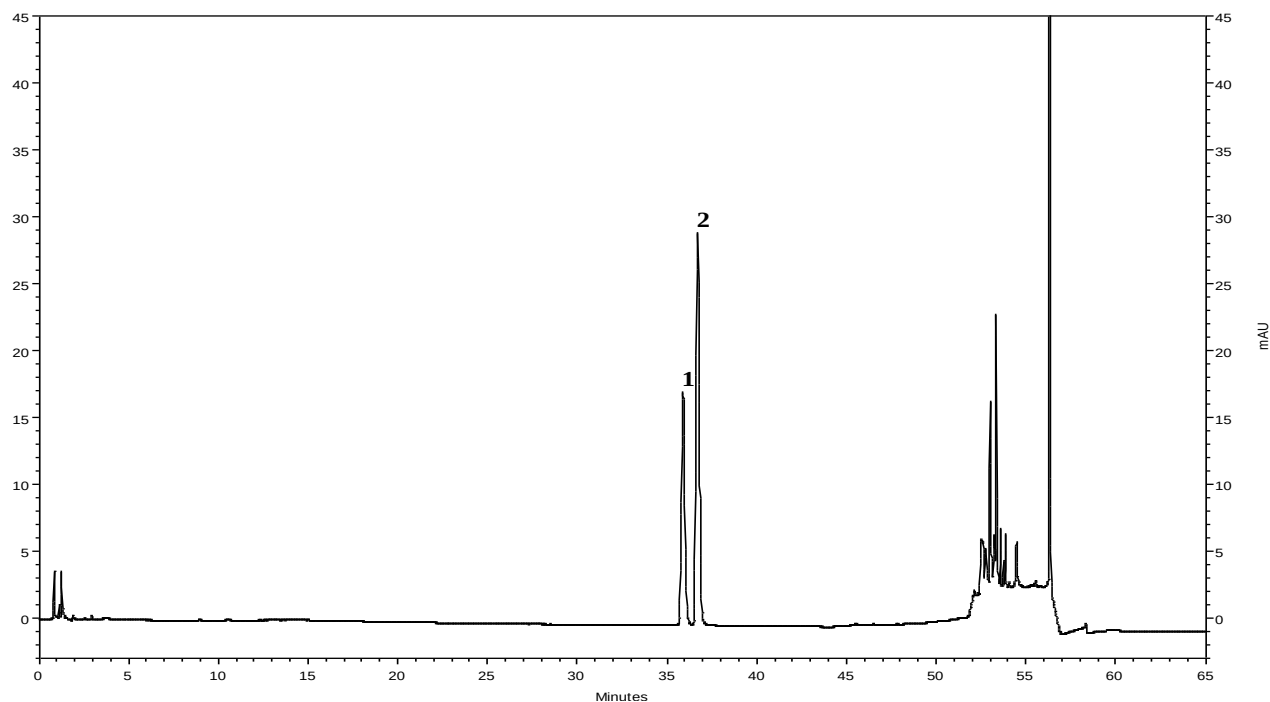




Co-dydramol Tablets – BP 2022

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 Co-dydramol Tablets as published in BP 2022.



Peak ID: 1: Dihydrocodeine; 2: Codeine

Column : Waters, Atlantis T3 C18 (150 mm x 4.6 mm, 3.0 μ m)
Method Ref. : Related Substances for the Co-dydramol Tablets monograph from BP 2022
Mobile Phase A : Acetonitrile: buffer (2: 98 v/v)
Mobile Phase B : Acetonitrile R1
Gradient :

Time (minutes)	Mobile phase A (% v/v)	Mobile phase B (% v/v)
0 – 6	100	0
6 – 18	100 $\rightarrow$ 93.9	0 $\rightarrow$ 6.1
18 – 30	93.9	6.1
30 – 42	93.9 $\rightarrow$ 85.7	6.1 $\rightarrow$ 14.3
42 – 50	85.7 $\rightarrow$ 66.3	14.3 $\rightarrow$ 33.7
50 – 52	66.3 $\rightarrow$ 0	33.7 $\rightarrow$ 100
52 – 54.5	0	100
54.5 – 55	0 $\rightarrow$ 100	100 $\rightarrow$ 0
55 – 65	100	0

Buffer : 2.23 g/L of 1-pentane-sulfonic acid solution, adjusted to pH 2.8
with 2 M hydrochloric acid



British Pharmacopoeia

Diluent : Methanol: buffer (22: 78, v/v)
Flow rate : 1.5 mL/min
Column Temp : 45 °C
Injection Volume : 50 µL
Detection : 220 nm