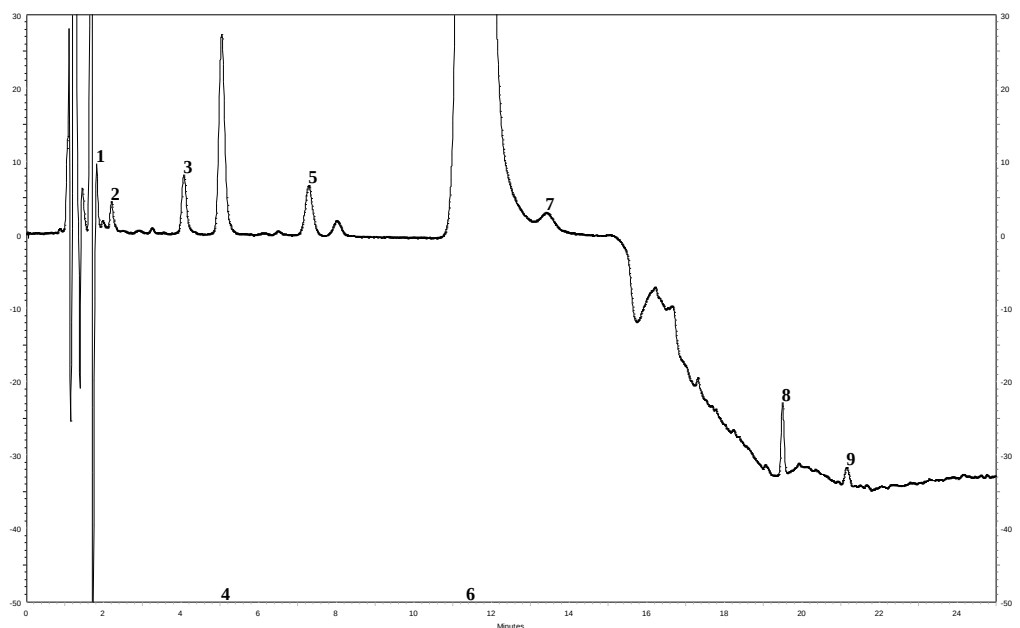




Clindamycin Solution – BP 2021

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 Clindamycin Solution as published in BP 2021



Peak ID: 1: Impurity F; 2: Impurity G; 3: Impurity I; 4: Impurity B; 5: Impurity L; 6: Clindamycin phosphate; 7: Impurity J; 8: Impurity E; 9: Impurity K

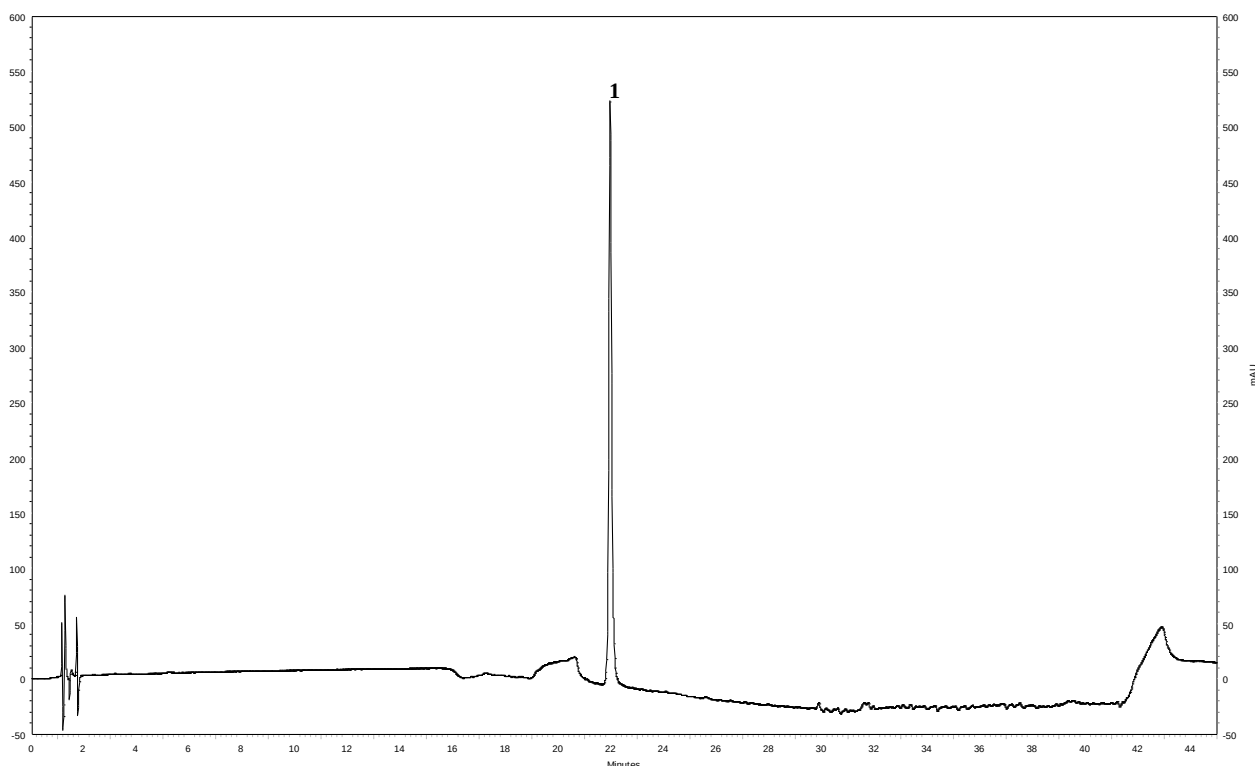
Column : Waters, Symmetry C18 (150 mm x 4.6 mm, 5 µm)
Method Ref. : Related substances for the Clindamycin Solution monograph from BP 2021
Mobile Phase A : Acetonitrile : Buffer (21:79, v/v)
Mobile Phase B : Buffer : acetonitrile (40:60, v/v)
Buffer : 1M potassium dihydrogen phosphate adjusted to pH 6.0 with a 45% w/v solution of potassium hydroxide

Gradient		
	Time (minutes)	Mobile phase A (% v/v)
	0 - 13	100
	13 - 18	100 - 50
	18 - 39	50
	39 - 45	50 - 100
	45 - 50	100
		Mobile phase B (% v/v)
		0
		0 - 50
		50
		50 - 0
		0

Diluent : Acetonitrile : water, previously adjusted to pH 2.0 with phosphoric acid (15 : 85, v/v)
Flow rate : 1.1 mL/min
Column Temp : 30 °C
Autosampler Temp : 4 °C
Injection Volume : 20 µL
Detection : 210 nm



Typical chromatogram for solution (2) in the Assay test for Clindamycin Solution as published in BP 2021.



Peak ID: 1: Clindamycin phosphate

Column : Waters, Symmetry C18 (150 mm x 4.6 mm, 5 μ m)
Method Ref. : Assay for the Clindamycin Solution monograph from BP 2021
Mobile Phase A : Acetonitrile: Buffer (15: 85, v/v)
Mobile Phase B : Buffer : acetonitrile (40:60, v/v)
Buffer : 1M potassium dihydrogen phosphate adjusted to pH 6.0 with a 45% w/v solution of potassium hydroxide
Diluent : Acetonitrile : water, previously adjusted to pH 2.0 with phosphoric acid (15 : 85 v/v)

Gradient :

Time (minutes)	Mobile phase A (% v/v)	Mobile phase B (% v/v)
0 - 13	100	0
13 - 30	100 - 44	0 - 56
30 - 40	44	56
40 - 41	44 - 100	56 - 0
41 - 45	100	0

Flow rate : 1.1 mL/min
Column Temp : 30 °C
Autosampler Temp : 4 °C
Injection Volume : 20 μ L
Detection : 210 nm