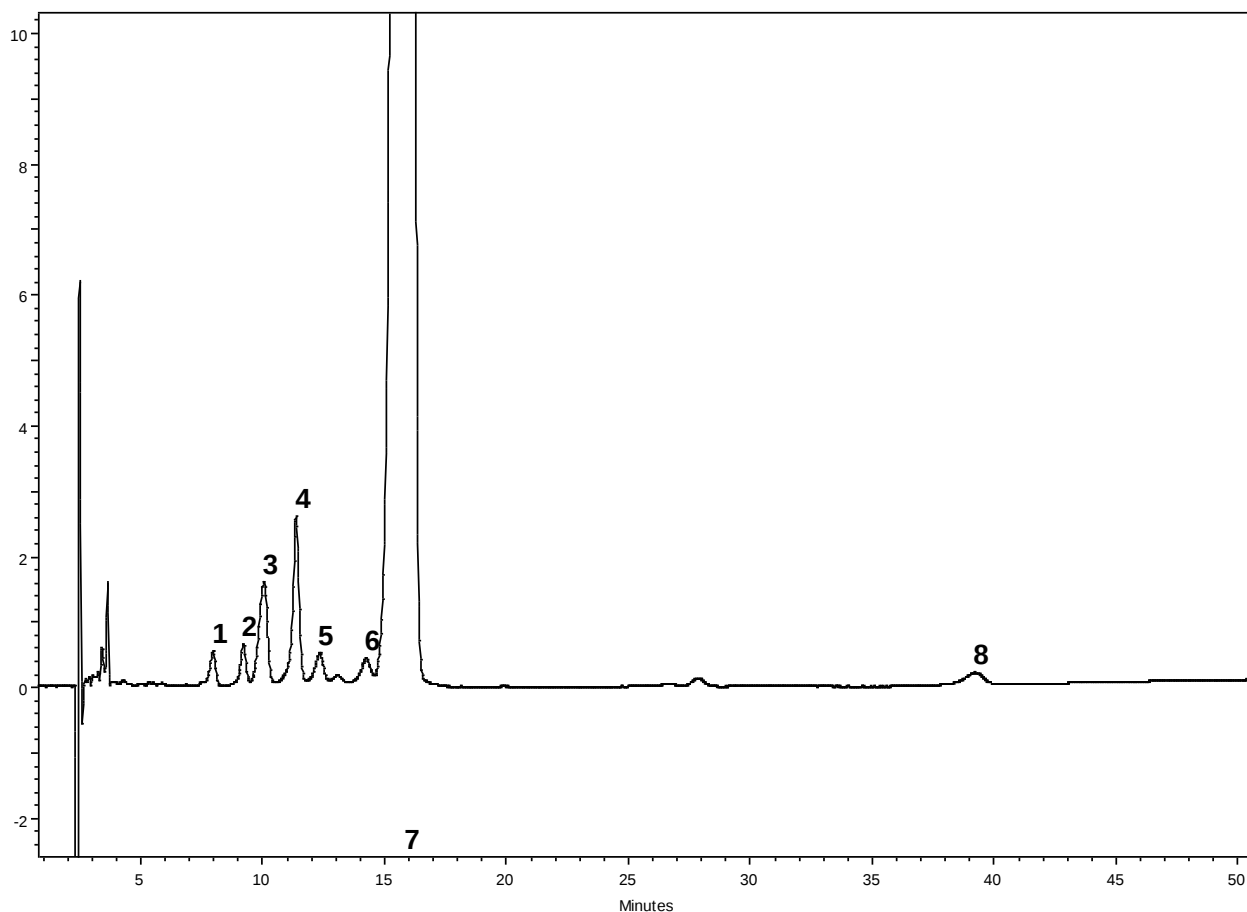




Minocycline Prolonged-release Capsules – BP 2020

This chromatogram is provided for information only as an aid to analysts and is intended as guidance for the interpretation and application of BP monographs.

Typical chromatogram for solution (3) in the Related Substances test for Minocycline Prolonged-release Capsules as published in BP 2020.



Peak ID: 1: Impurity C; 2: Impurity H; 3: Impurity B; 4: Impurity A; 5: Impurity G; 6: Impurity F; 7: Minocycline; 8: Impurity E

Column	: ChromaNik Technologies Inc. Sunniest, C18 (250 mm x 4.6 mm, 5 µm)
Method Ref.	: Related Substances for the Minocycline Prolonged-release Capsules monograph from BP 2020
Mobile Phase	: Tetrahydrofuran : dimethylformamide : Solution A (80: 120: 780, v/v/v)
Solution A	: 0.375 % w/v solution of sodium edetate and a 2.83 % w/v solution of ammonium oxalate, adjusted to pH 7.2 with dilute ammonia (18: 60, v/v)
Diluent	: Water
Flow rate	: 1.5 mL/min
Column Temp	: 40 °C
Injection Volume	: 20 µL
Detection	: 280 nm