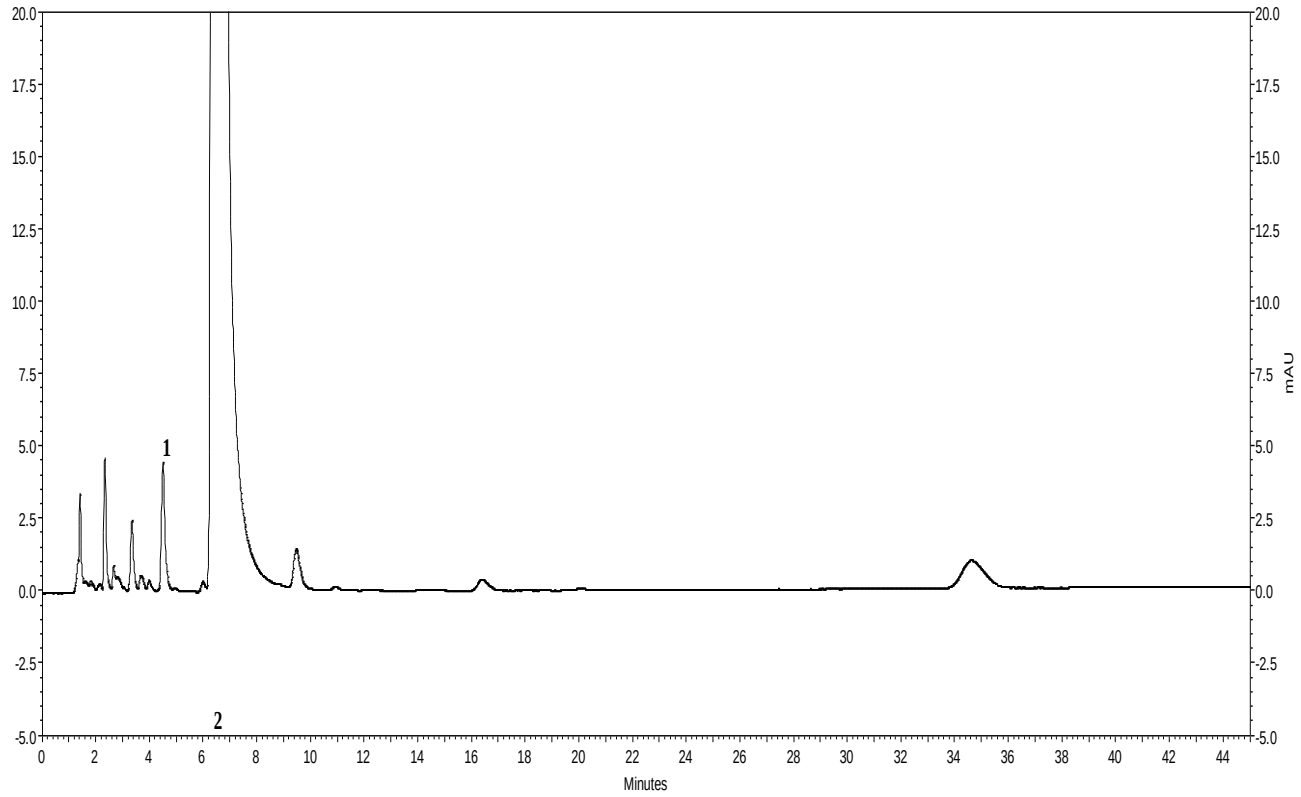
Imipramine Tablets – BP 2022

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.

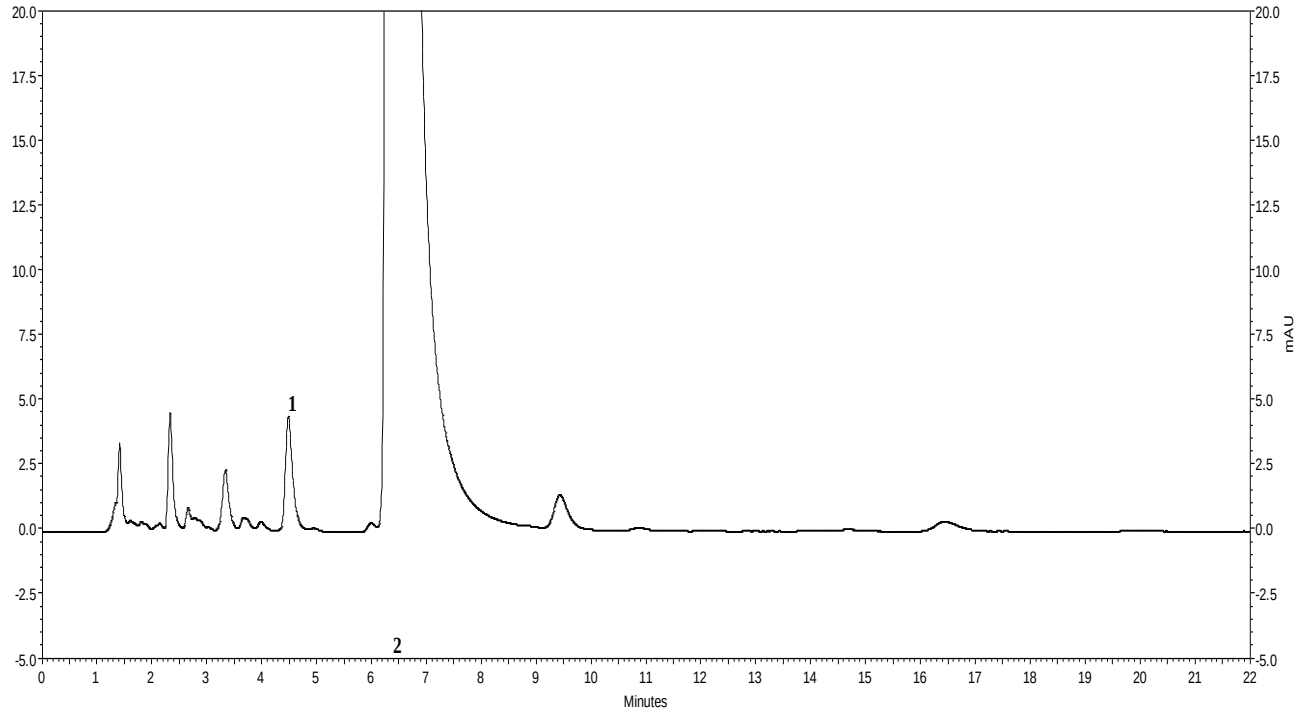
Typical chromatogram for solution (4) in the Related Substances test for Imipramine Tablets as published in BP 2022.



Peak ID: 1: Impurity B; 2: Imipramine

Column	:	Waters, XTerra RP-C18 (150 mm x 4.6 mm, 5 µm)
Method Ref.	:	Related substances for the Imipramine Tablets monograph from BP 2022
Mobile Phase	:	Acetonitrile: buffer (40:60, v/v)
Buffer	:	5.2 g/L dipotassium hydrogen phosphate adjusted to pH 7.0 with phosphoric acid
Diluent	:	Mobile phase
Flow rate	:	1.0 mL/min
Column Temp	:	40 °C
Injection Volume	:	10 µL
Detection	:	220 nm

Typical chromatogram for solution (3) in the Assay test for Imipramine Tablets as published in BP 2022.



Peak ID: 1: Impurity B; 2: Imipramine

Column	:	Waters, XTerra RP-C18 (150 mm x 4.6 mm, 5 µm)
Method Ref.	:	Assay for the Imipramine Tablets monograph from BP 2022
Mobile Phase	:	Acetonitrile: buffer (40:60, v/v)
Buffer	:	5.2 g/L dipotassium hydrogen phosphate adjusted to pH 7.0 with phosphoric acid
Diluent	:	Mobile phase
Flow rate	:	1.0 mL/min
Column Temp	:	40 °C
Injection Volume	:	10 µL
Detection	:	220 nm