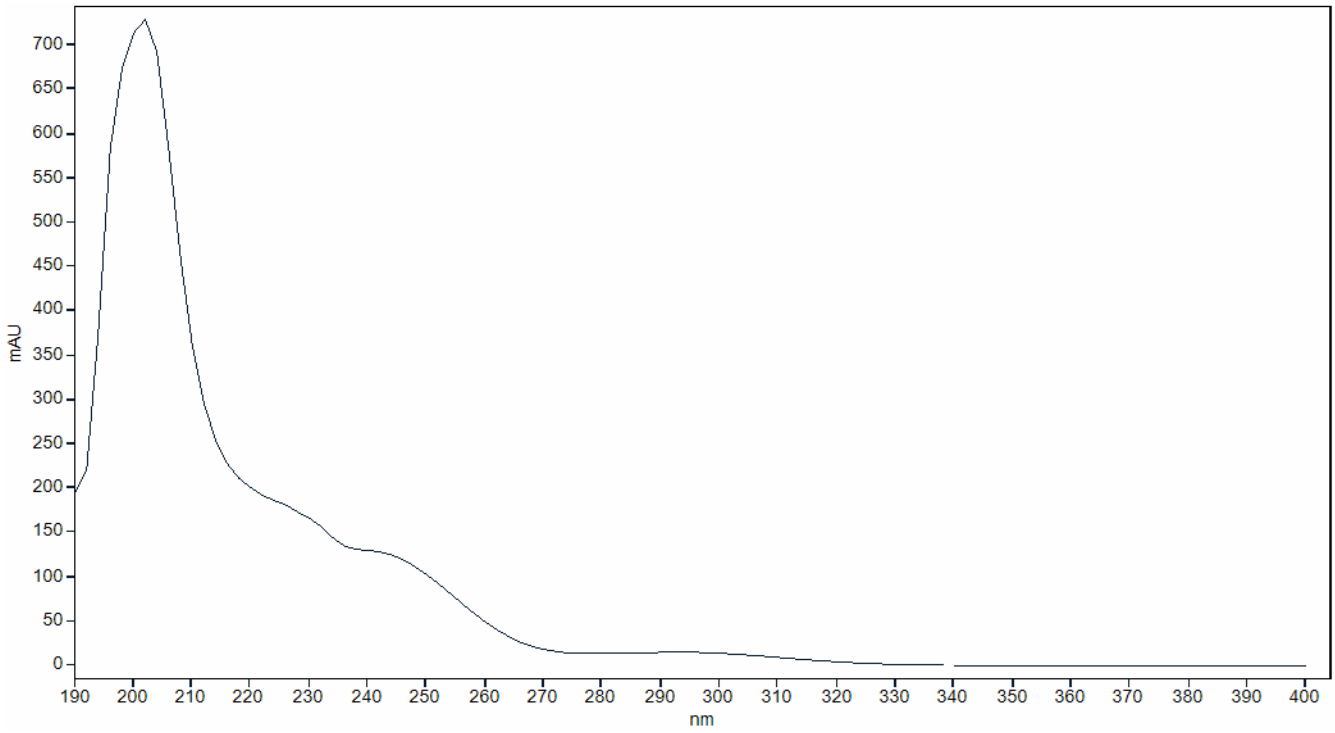
Ketoconazole Shampoo – BP 2023

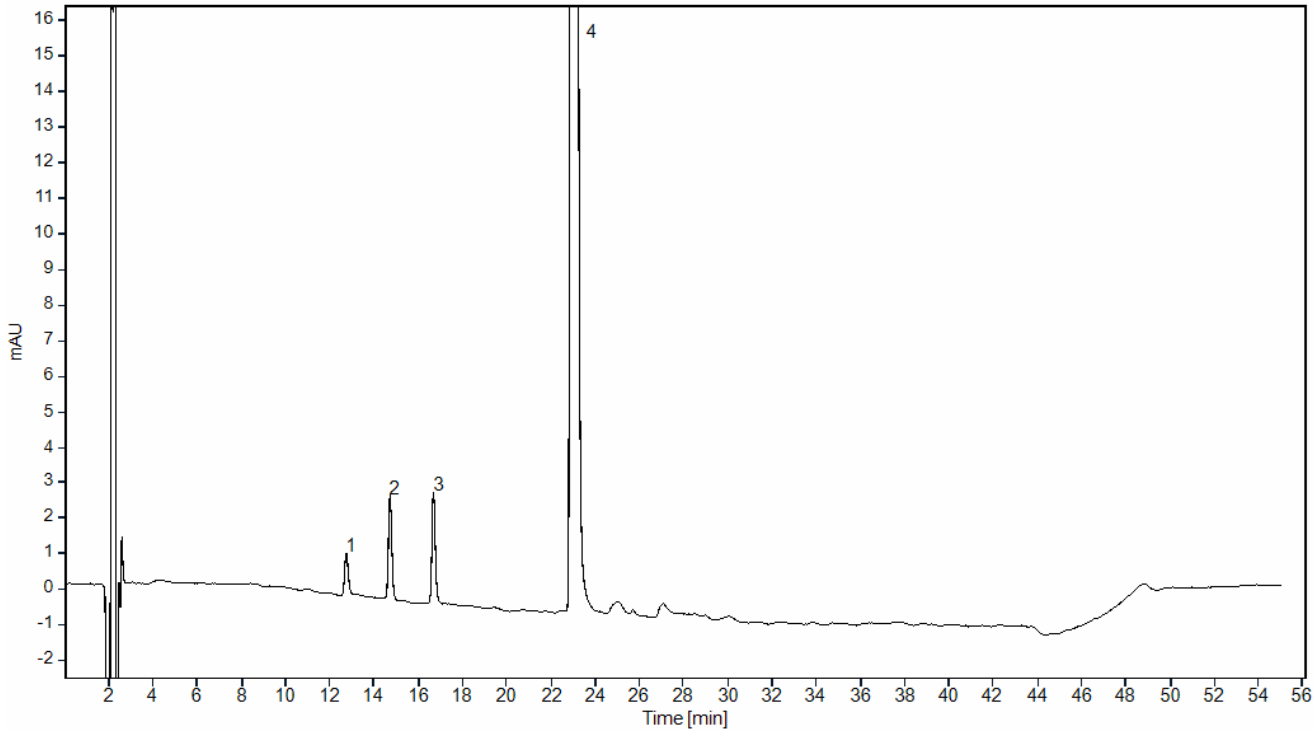
These chromatograms are provided for information only as an aid to analysts and are intended as guidance for the interpretation and application of BP monographs.

Typical spectrum for the Identification by HPLC-UV/DAD test for Ketoconazole Shampoo as published in BP 2023.



Column	Waters, XBridge BEH Phenyl (250 mm x 3.0 mm, 5 µm)
Method Ref.	Assay for the Ketoconazole Shampoo monograph from BP 2023
Buffer	1.42 g/L anhydrous disodium hydrogen orthophosphate and 3.1 g/L anhydrous sodium dihydrogen orthophosphate
Mobile Phase A	Buffer
Mobile Phase B	Acetonitrile
Mobile Phase C	Propan-2-ol
Diluent	Mobile phase A: methanol (15: 85, v/v)
Flow rate	0.6 mL/min
Column Temp	35 °C
Injection Volume	10 µL
Detection	230 nm

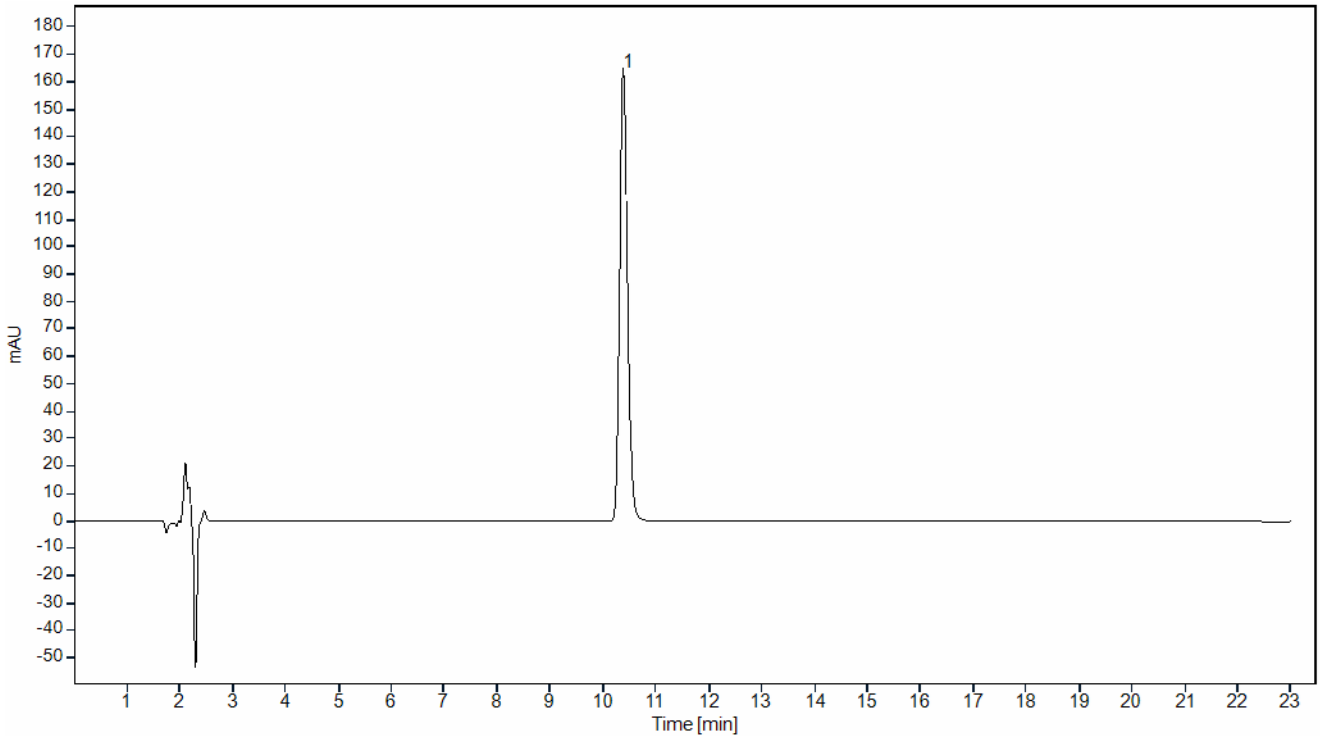
Typical chromatogram for solution (3) in the Related substances test for Ketoconazole Shampoo as published in BP 2023.



Peak ID: 1: Impurity 2; 2: Impurity 1; 3: Impurity D; 4: Ketoconazole

Column	Waters, XBridge BEH Phenyl (250 mm x 3.0 mm, 5 µm)
Method Ref.	Related substances for the Ketoconazole Shampoo monograph from BP 2023
Buffer	1.42 g/L anhydrous disodium hydrogen orthophosphate and 3.1 g/L anhydrous sodium dihydrogen orthophosphate
Mobile Phase A	Buffer
Mobile Phase B	Acetonitrile
Mobile Phase C	Propan-2-ol
Diluent	Mobile phase A: methanol (15: 85, v/v)
Flow rate	0.6 mL/min
Column Temp	45 °C
Injection Volume	10 µL
Detection	230 nm

Typical chromatogram for solution (2) in the Assay test for Ketoconazole Shampoo as published in BP 2023.



Peak ID: 1: Ketoconazole

Column	Waters, XBridge BEH Phenyl (250 mm x 3.0 mm, 5 µm)
Method Ref.	Assay for the Ketoconazole Shampoo monograph from BP 2023
Buffer	1.42 g/L anhydrous disodium hydrogen orthophosphate and 3.1 g/L anhydrous sodium dihydrogen orthophosphate
Mobile Phase A	Buffer
Mobile Phase B	Acetonitrile
Mobile Phase C	Propan-2-ol
Diluent	Mobile phase A: methanol (15: 85, v/v)
Flow rate	0.6 mL/min
Column Temp	35 °C
Injection Volume	10 µL
Detection	230 nm