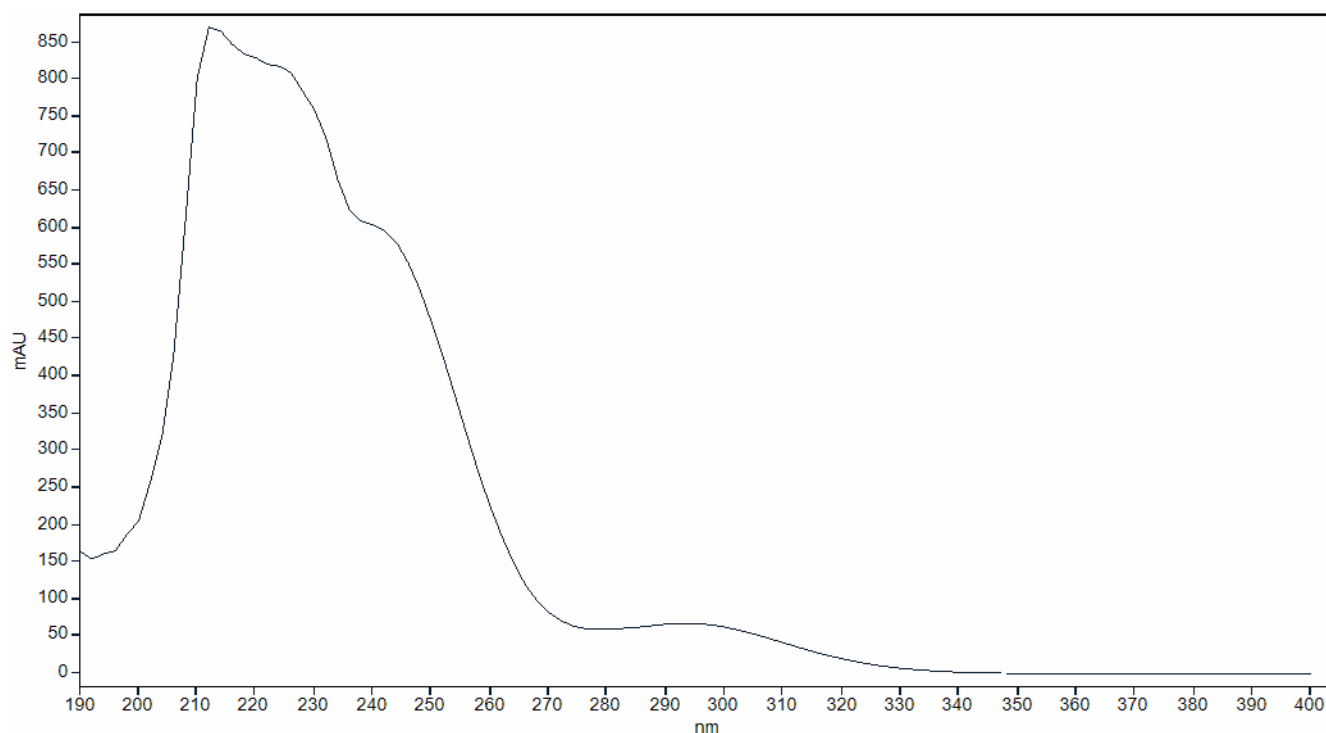




Ketoconazole Cream – BP 2023

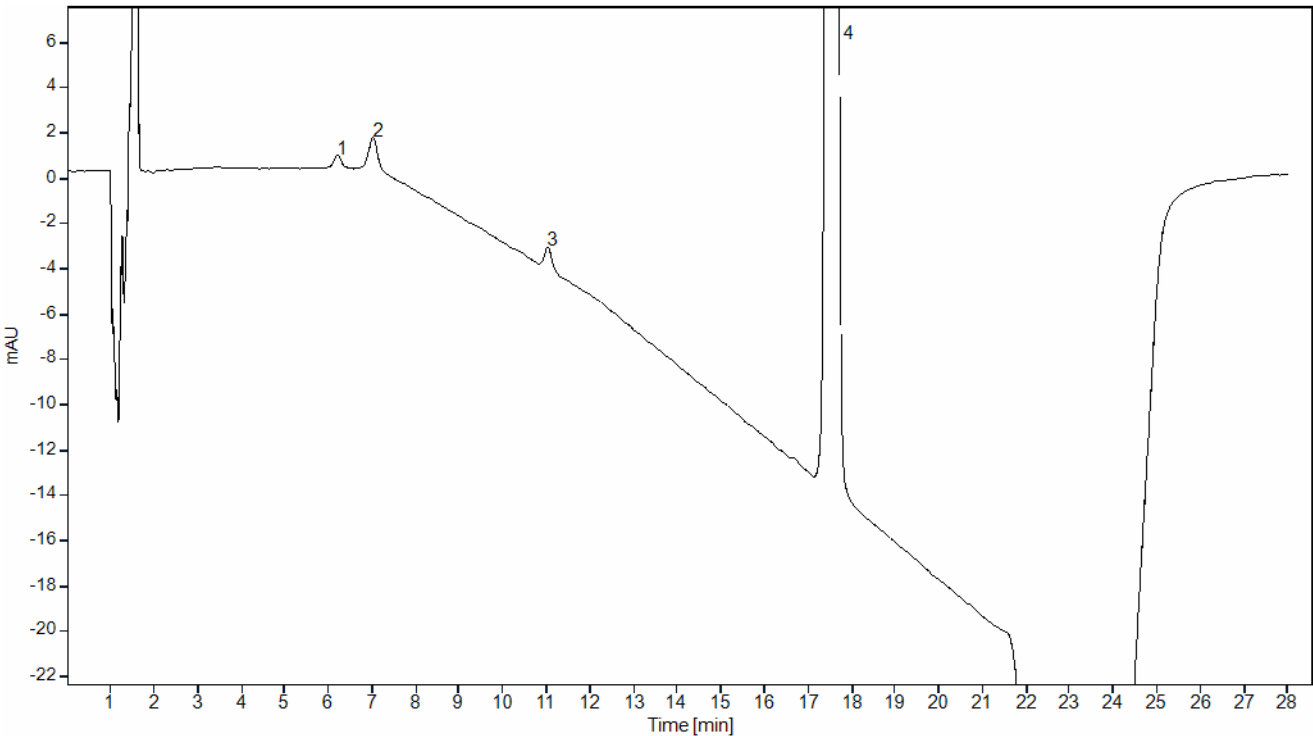
These chromatograms are provided for information only as an aid to analysts and are intended as guidance for the interpretation and application of BP monographs.

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



Column	Waters, XBridge BEH C18 (250 mm x 4.6 mm, 5 µm)
Method Ref.	Related Substances and Assay for the Ketoconazole Cream monograph from BP 2023
Buffer	0.05 M ammonium acetate, adjusted to pH 6.0 with glacial acetic acid
Mobile Phase A	Acetonitrile: buffer (25: 75, v/v)
Mobile Phase B	Buffer: acetonitrile (20: 80, v/v)
Diluent	Water: methanol (2: 98, v/v)
Flow rate	2.0 mL/min
Column Temp	40 °C
Injection Volume	25 µL
Detection	230 nm

Typical chromatogram for solution (3) in the Related Substances and Assay test for Ketoconazole Cream as published in BP 2023.



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

Column	Waters, XBridge BEH C18 (250 mm x 4.6 mm, 5 µm)
Method Ref.	Related Substances and Assay for the Ketoconazole Cream monograph from BP 2023
Buffer	0.05 M ammonium acetate, adjusted to pH 6.0 with glacial acetic acid
Mobile Phase A	Acetonitrile: buffer (25: 75, v/v)
Mobile Phase B	Buffer: acetonitrile (20: 80, v/v)
Diluent	Water: methanol (2: 98, v/v)
Flow rate	2.0 mL/min
Column Temp	40 °C
Injection Volume	25 µL
Detection	230 nm