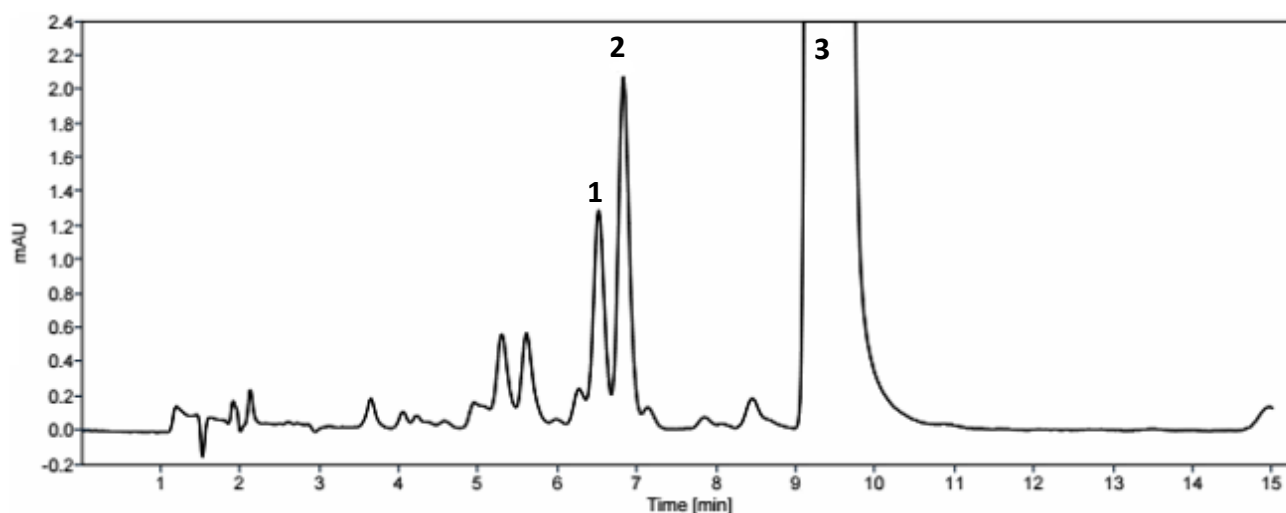




Eplerenone Tablets – BP 2023

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 chromatogram for solution (3) in the Assay and Dissolution tests for Eplerenone Tablets monograph as published in BP 2023.

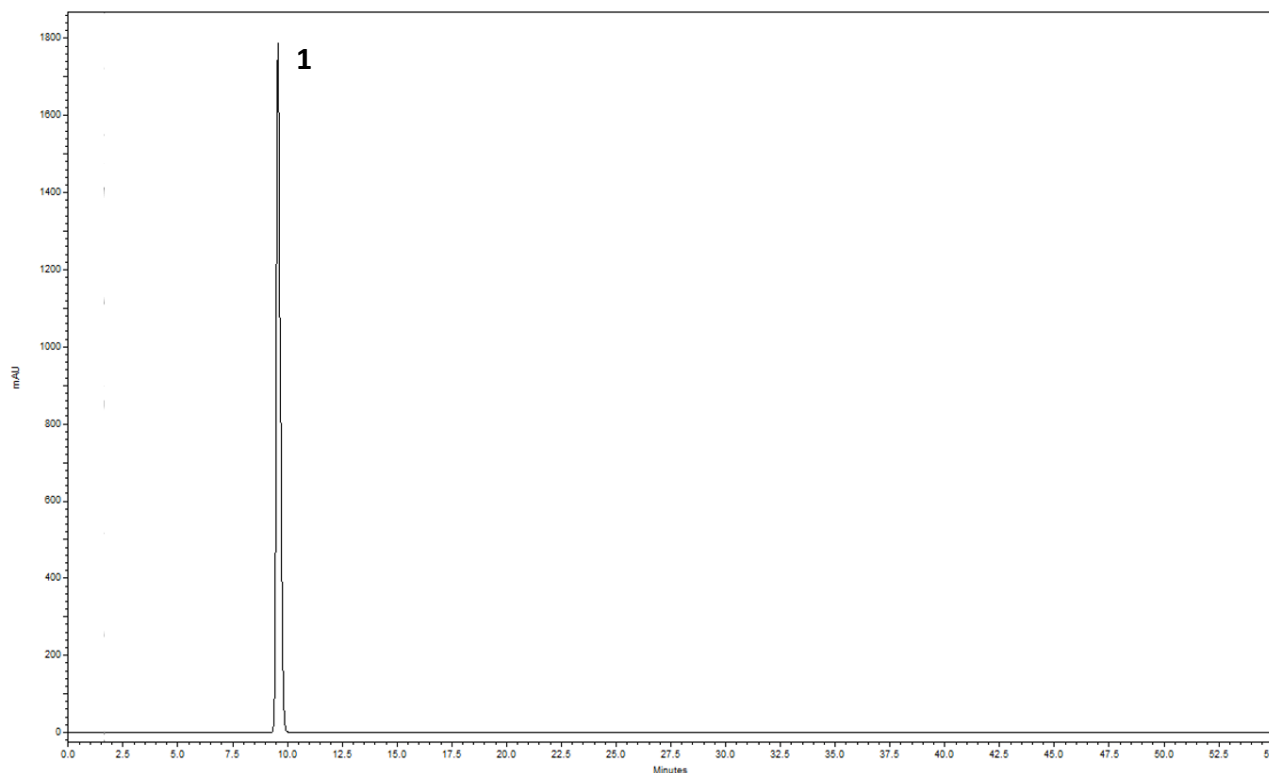


Peak ID: 1: Impurity D. 2: Impurity A. 3: Eplerenone

Column	Inertsil ODS-3 C18 (150 mm x 4.6 mm, 3 µm)
Method Ref.	Assay/Dissolution for the Eplerenone Tablets monograph from BP 2023
Mobile Phase	Solution A: 0.1% v/v Orthophosphoric acid (46:54, v/v)
Solution A	Orthophosphoric acid : acetonitrile : methanol (0.1:40:60, v/v/v)
Diluent	Solution B: Acetonitrile : methanol: water (25:25:50, v/v/v)
Flow rate	1.0 mL/min
Column Temp	30 °C
Injection Volume	20 µL

Detection	240 nm
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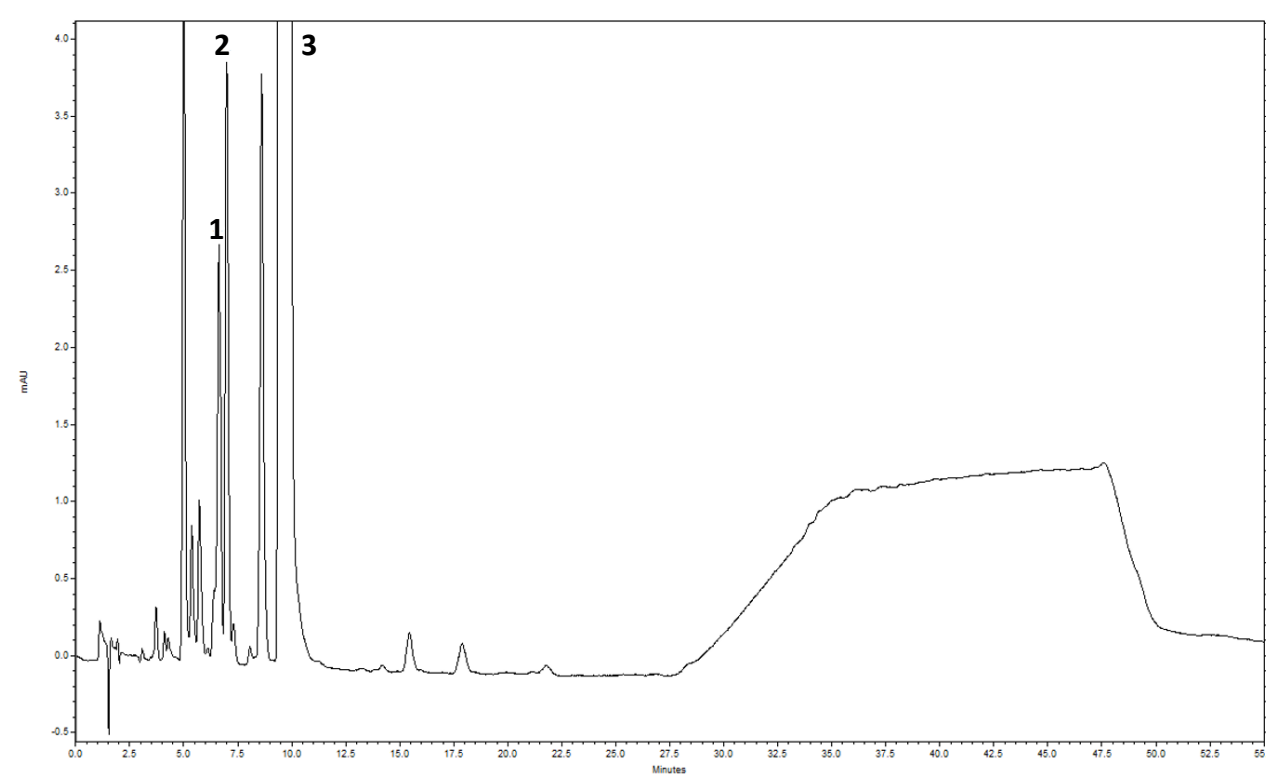
Typical chromatogram for solution (1) in the Related substances test for Eplerenone Tablets monograph as published in BP 2023.



Peak ID: 1: Eplerenone

Column	Inertsil ODS-3 C18 (150 mm x 4.6 mm, 3 µm)
Method Ref.	Related substances for the Eplerenone Tablets monograph from BP 2023
Mobile Phase A	0.1 % v/v orthophosphoric acid
Mobile Phase B	Orthophosphoric acid : acetonitrile : methanol (0.1:40:60, v/v/v)
Diluent	Solution B: Acetonitrile : methanol : water (25:25:50, v/v/v)
Flow rate	1.0 mL/min
Column Temp	30 °C
Injection Volume	20 µL
Detection	240 nm

Typical chromatogram for solution (3) in the Related substances test for Eplerenone Tablets monograph as published in BP 2023.



Peak ID: 1: Impurity D. 2: Impurity A. 3. Eplerenone.

Column	Inertsil ODS-3 C18 (150 mm x 4.6 mm, 3 µm)
Method Ref.	Related substances for the Eplerenone Tablets monograph from BP 2023
Mobile Phase A	0.1 % v/v orthophosphoric acid
Mobile Phase B	Orthophosphoric acid : acetonitrile : methanol (0.1:40:60, v/v/v)
Diluent	Solution B: Acetonitrile : methanol : water (25:25:50, v/v/v)
Flow rate	1.0 mL/min
Column Temp	30 °C
Injection Volume	20 µL
Detection	240 nm