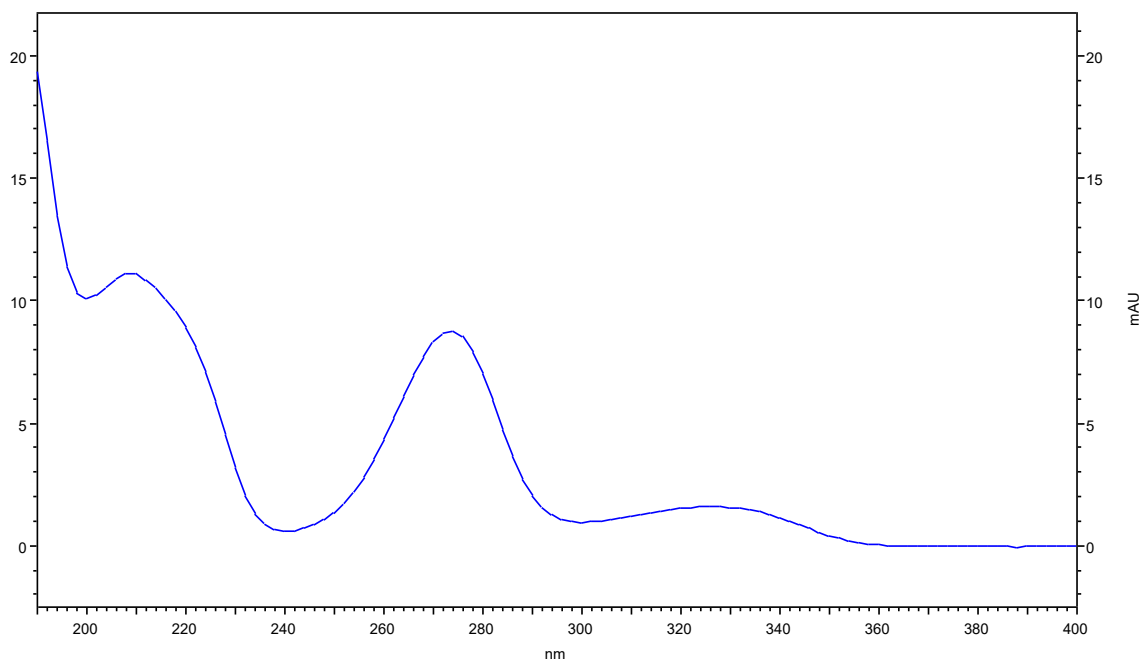




Bendroflumethiazide Tablets – BP 2022

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.

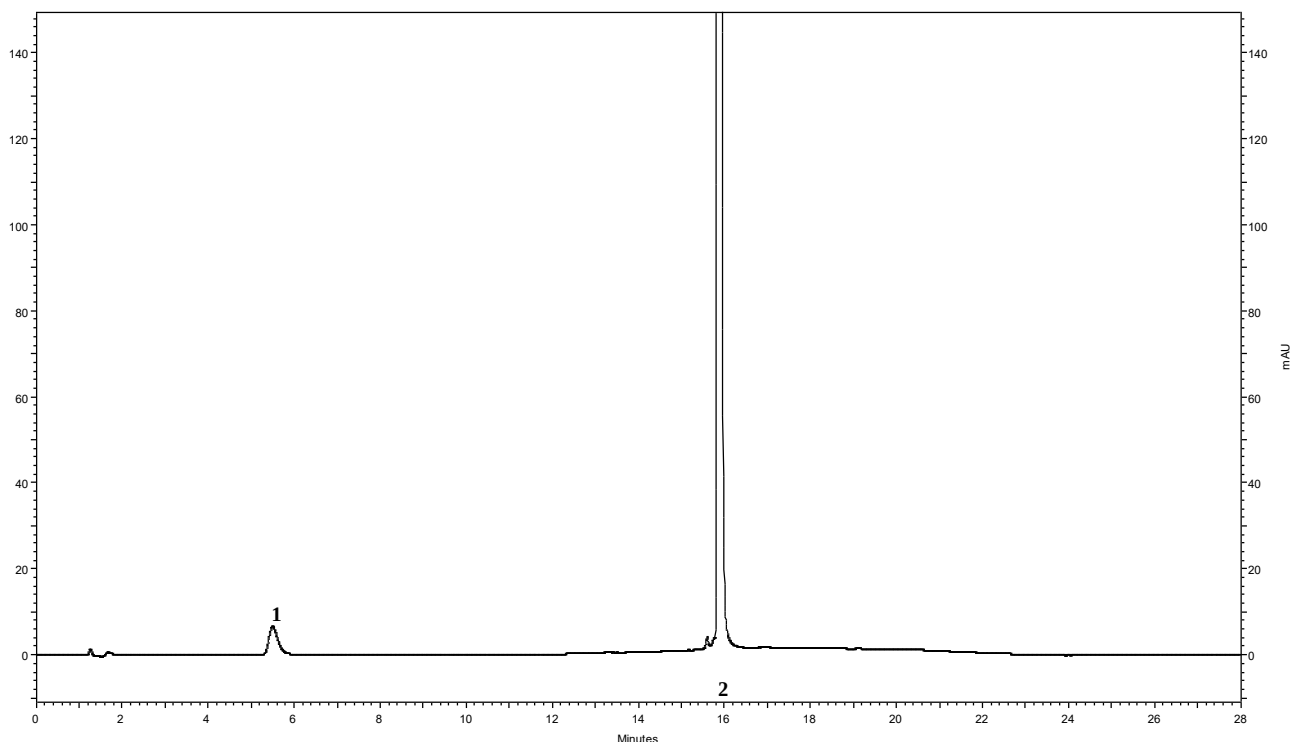
Typical spectrum for the Identification by HPLC-UV/DAD test for Bendroflumethiazide Tablets as published in BP 2022.



Column	: Waters, SunFire C18 (100 mm x 4.6 mm, 3.5 µm)
Method Ref.	: Assay for the Bendroflumethiazide Tablets monograph from BP 2022
Mobile Phase	: Acetonitrile: water (40: 60, v/v), adjusted to pH 2.0 with orthophosphoric acid
Diluent	: Methanol: mobile phase: (1.2: 98.8, v/v)
Flow rate	: 1.0 mL/min
Column Temp	: 20 °C
Injection Volume	: 10 µL
Detection	: 273 nm



Typical chromatogram for solution (3) in the Related Substances test for Bendroflumethiazide Tablets as published in BP 2022.



Peak ID: 1: Impurity A; 2: Bendroflumethiazide

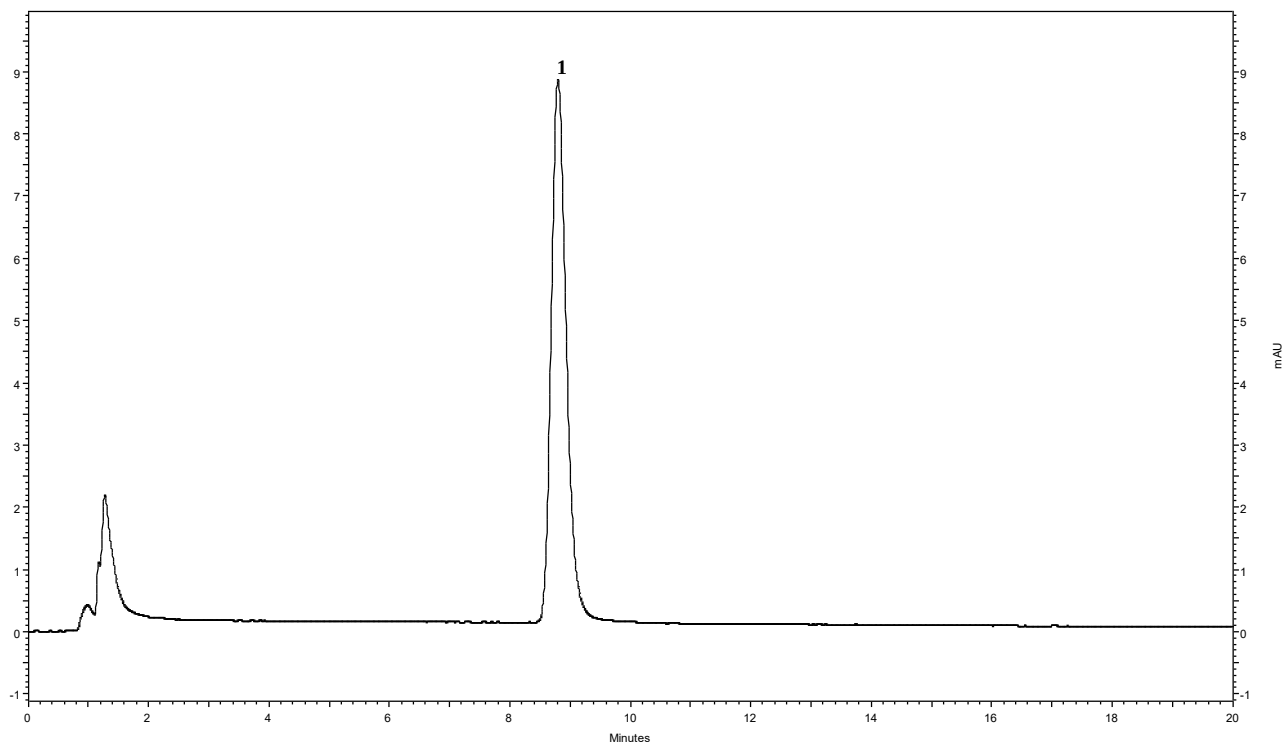
Column : Waters, SunFire C18 (100 mm x 4.6 mm, 3.5 μ m)
Method Ref. : Related substances for the Bendroflumethiazide Tablets monograph from BP 2022
Mobile Phase A : Acetonitrile: water (20: 80, v/v), adjusted to pH 2.0 with orthophosphoric acid
Mobile Phase B : Water: acetonitrile (40: 60, v/v), adjusted to pH 2.0 with orthophosphoric acid
Diluent : Mobile phase A
Gradient :

Time (minutes)	Mobile phase A (% v/v)	Mobile phase B (% v/v)
0 - 10	100	0
10 - 14	100 $\rightarrow$ 0	0 $\rightarrow$ 100
14 - 18	0	100
18 - 22	0 $\rightarrow$ 100	100 $\rightarrow$ 0
22 - 28	100	0

Flow rate : 1.0 mL/min
Column Temp : 20 $^{\circ}$ C
Injection Volume : 10 μ L
Detection : 273 nm



Typical chromatogram for solution (2) in the Assay test for Bendroflumethiazide Tablets as published in BP 2022.



Peak ID: 1: Bendroflumethiazide

Column	: Waters, SunFire C18 (100 mm x 4.6 mm, 3.5 μ m)
Method Ref.	: Assay for the Bendroflumethiazide Tablets monograph from BP 2022
Mobile Phase	: Acetonitrile: water (40: 60, v/v), adjusted to pH 2.0 with orthophosphoric acid
Diluent	: Methanol: mobile phase: (1.2: 98.8, v/v)
Flow rate	: 1.0 mL/min
Column Temp	: 20 °C
Injection Volume	: 10 μ L
Detection	: 273 nm