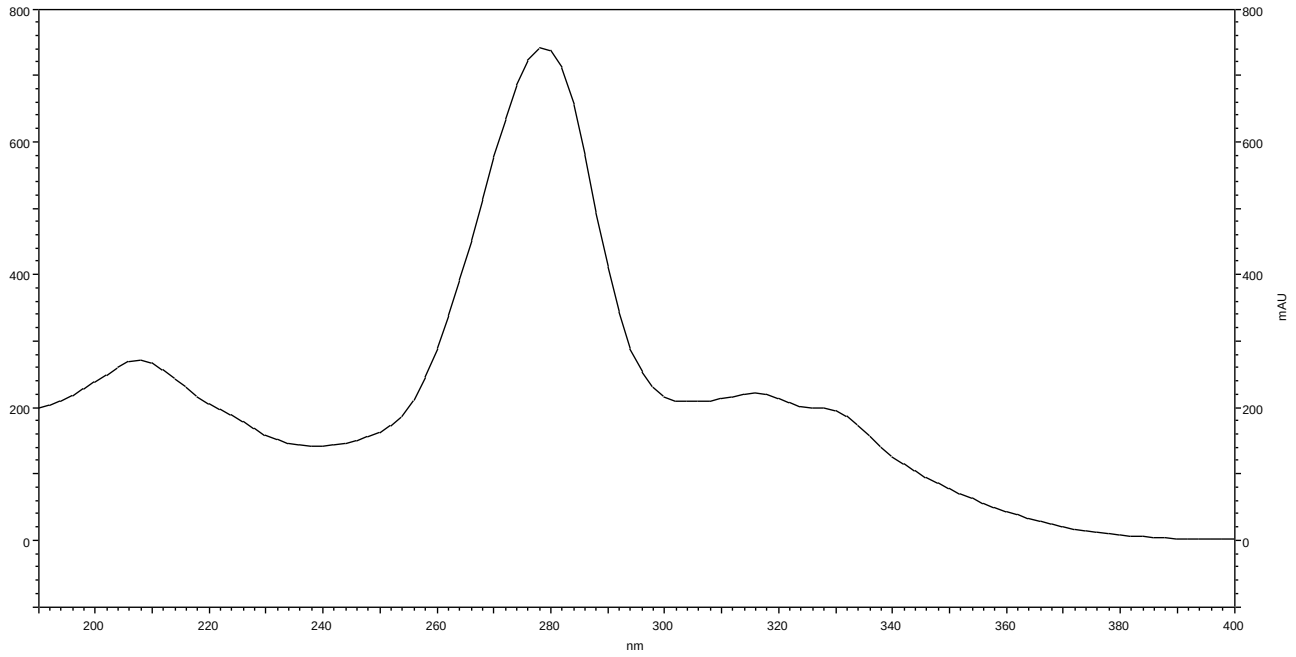
British Pharmacopoeia

Ciprofloxacin Ear Drops – 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 Ciprofloxacin Ear Drops as published in BP 2022.



Column	:	Hypersil BDS C18 (250 mm x 4.6 mm, 5.0 µm)
Method Ref.	:	Assay for the Ciprofloxacin Ear Drops monograph from BP 2022
Mobile Phase	:	Acetonitrile: buffer (13: 87, v/v)
Buffer	:	0.245 % w/v orthophosphoric acid pH adjusted to 3.0 with triethylamine
Diluent	:	Mobile phase
Flow rate	:	1.5 mL/min
Column Temp	:	40 °C
Injection Volume	:	25 µL
Detection	:	278 nm

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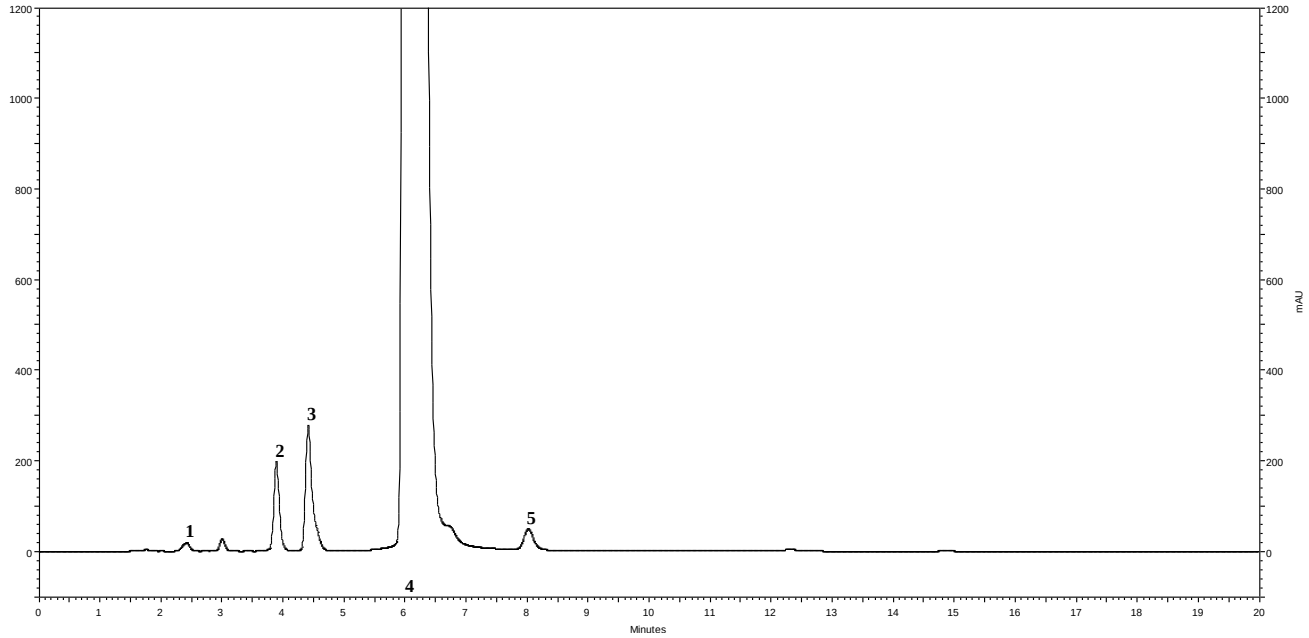
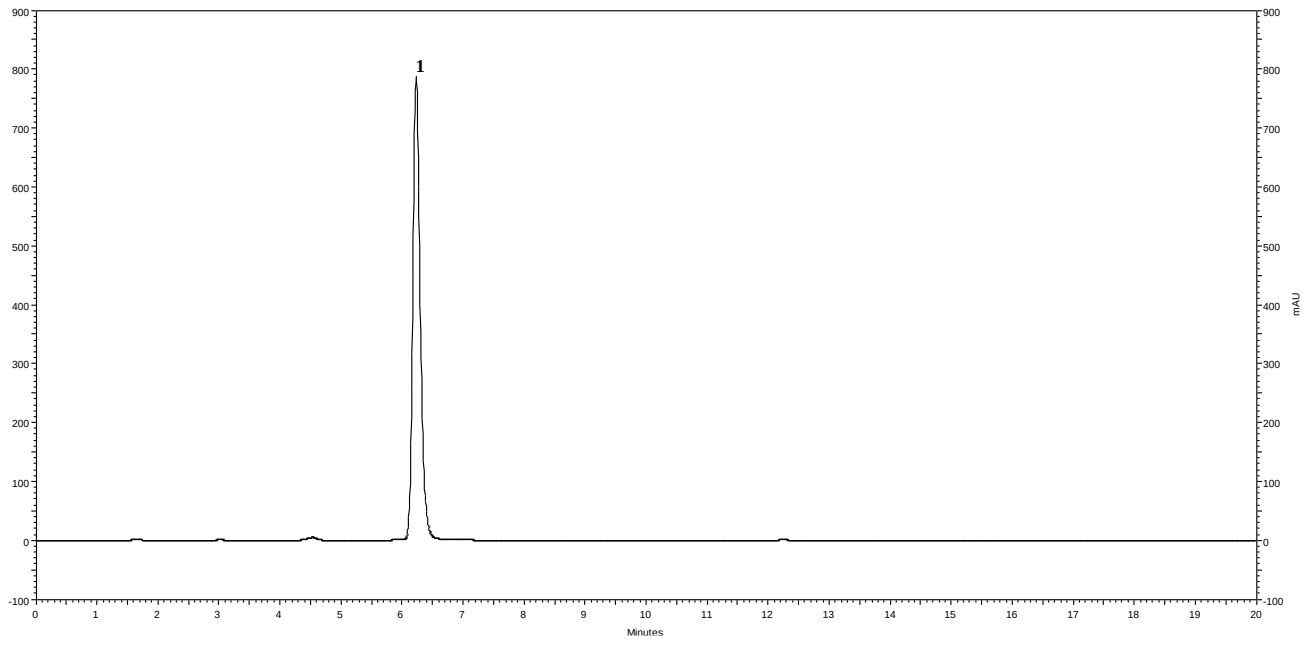
Typical Chromatogram for solution (3) in the Related Substances test for Ciprofloxacin Ear Drops as published in BP 2022.



Peak ID: 1: Impurity E; 2: Impurity B; 3: Impurity C; 4: Ciprofloxacin; 5: Impurity D

Column	:	Hypersil BDS C18 (250 mm x 4.6 mm, 5.0 µm)
Method Ref.	:	Related substances for the Ciprofloxacin Ear Drops monograph from BP 2022
Mobile Phase	:	Acetonitrile: buffer (13: 87, v/v)
Buffer	:	0.245 % w/v orthophosphoric acid pH adjusted to 3.0 with triethylamine
Diluent	:	Mobile phase
Flow rate	:	1.5 mL/min
Column Temp	:	40 °C
Injection Volume	:	25 µL
Detection	:	278 nm

Typical Chromatogram for solution (2) in the Assay test for Ciprofloxacin Ear Drops as published in BP 2022.



Peak ID: 1: Ciprofloxacin

Column	:	Hypersil BDS C18 (250 mm x 4.6 mm, 5.0 µm)
Method Ref.	:	Assay for the Ciprofloxacin Ear Drops monograph from BP 2022
Mobile Phase	:	Acetonitrile: buffer (13: 87, v/v)
Buffer	:	0.245 % w/v orthophosphoric acid pH adjusted to 3.0 with triethylamine
Diluent	:	Mobile phase
Flow rate	:	1.5 mL/min
Column Temp	:	40 °C
Injection Volume	:	25 µL
Detection	:	278 nm