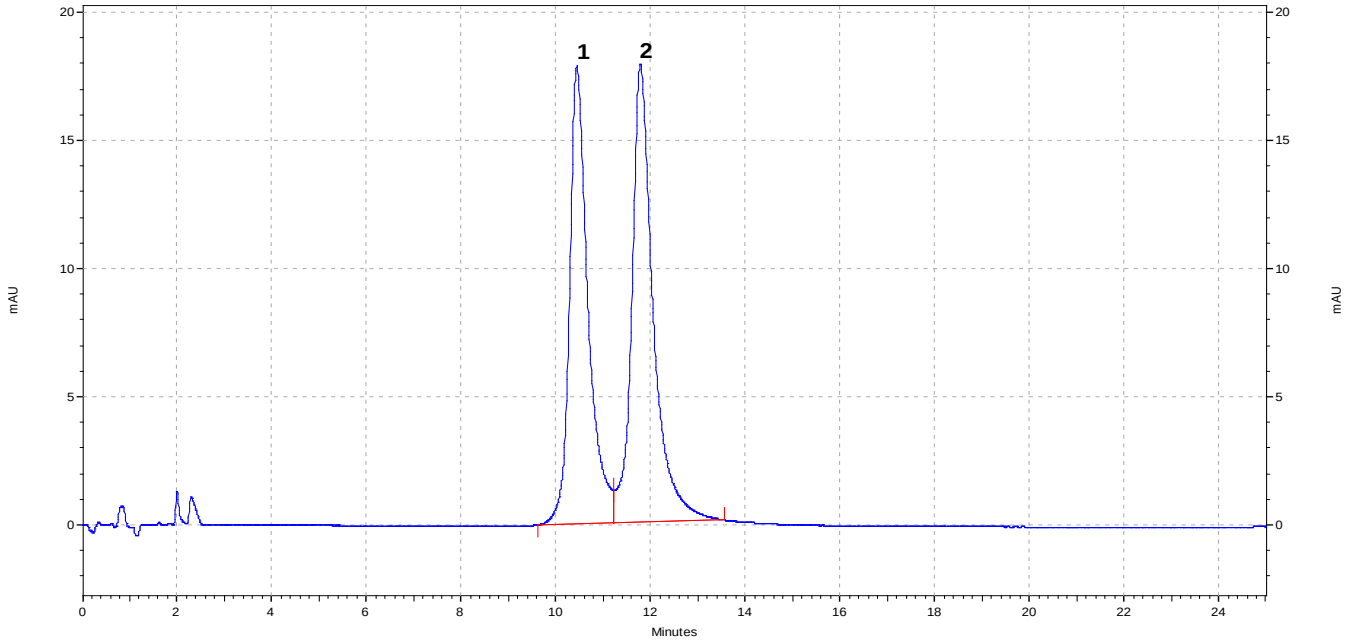
Doxorubicin Injection – BP 2016

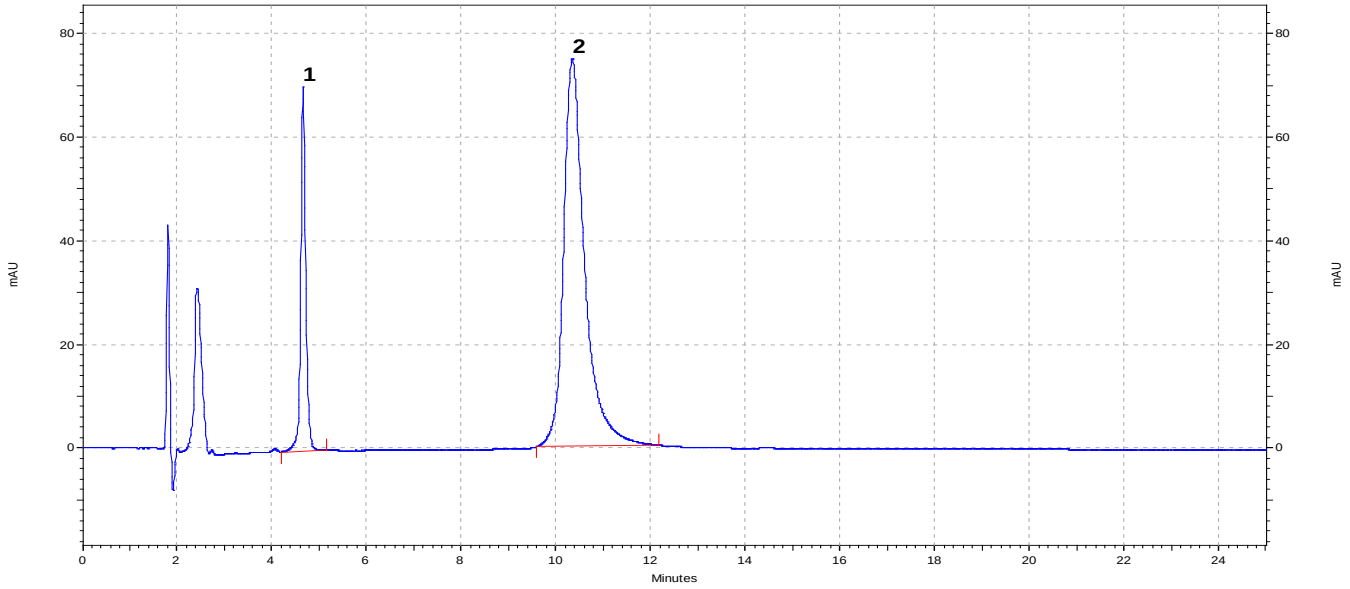
These chromatograms are provided for information only as an aid to analysts and intended as guidance for the interpretation and application of BP monographs.

Typical chromatogram for solution (2) in the Related Substances test for Doxorubicin Injection as published in BP 2016.



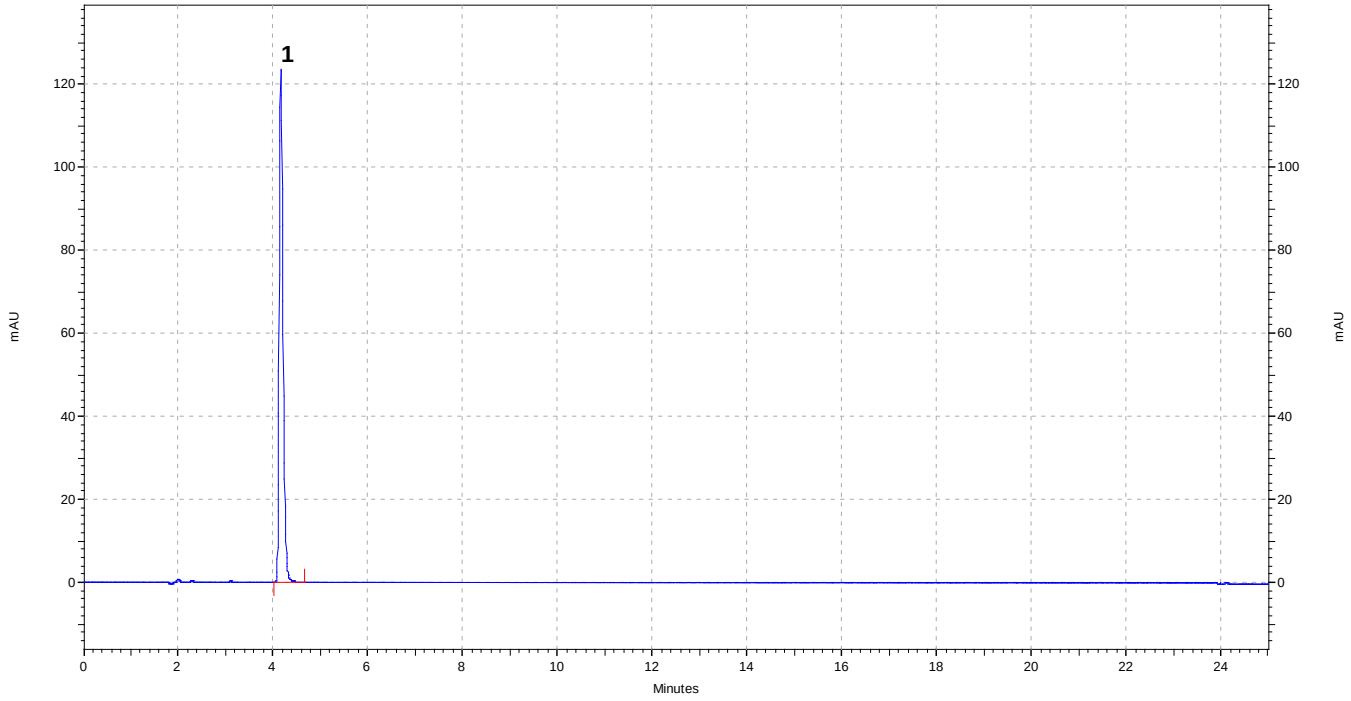
Peak ID: 1: Doxorubicin; 2: Epirubicin.

Typical chromatogram for solution (3) in the Related Substances test for Doxorubicin Injection as published in BP 2016.



Peak ID: 1: Doxorubicin Aglycone Impurity; 2: Doxorubicin.

Typical chromatogram for solution (5) in the Related Substances test for Doxorubicin Injection as published in BP 2016.



Peak ID: 1: Methyl 4-hydroxybenzoate

Column	: Hypersil C18 (250 mm x 4.6 mm, 5µm)
Method Ref.	: Related Substances method for the Doxorubicin Injection monograph from BP 2016
Mobile Phase	: 50 volumes of acetonitrile, 50 volumes of a solution containing 0.288% w/v sodium dodecyl sulfate and 0.225% w/v of orthophosphoric acid.
Diluent	: Mobile phase
Flow Rate	: 1.0 mL/min
Column Temp	: 25°C
Injection Volume	: 10 µL
Detection	: 254 nm