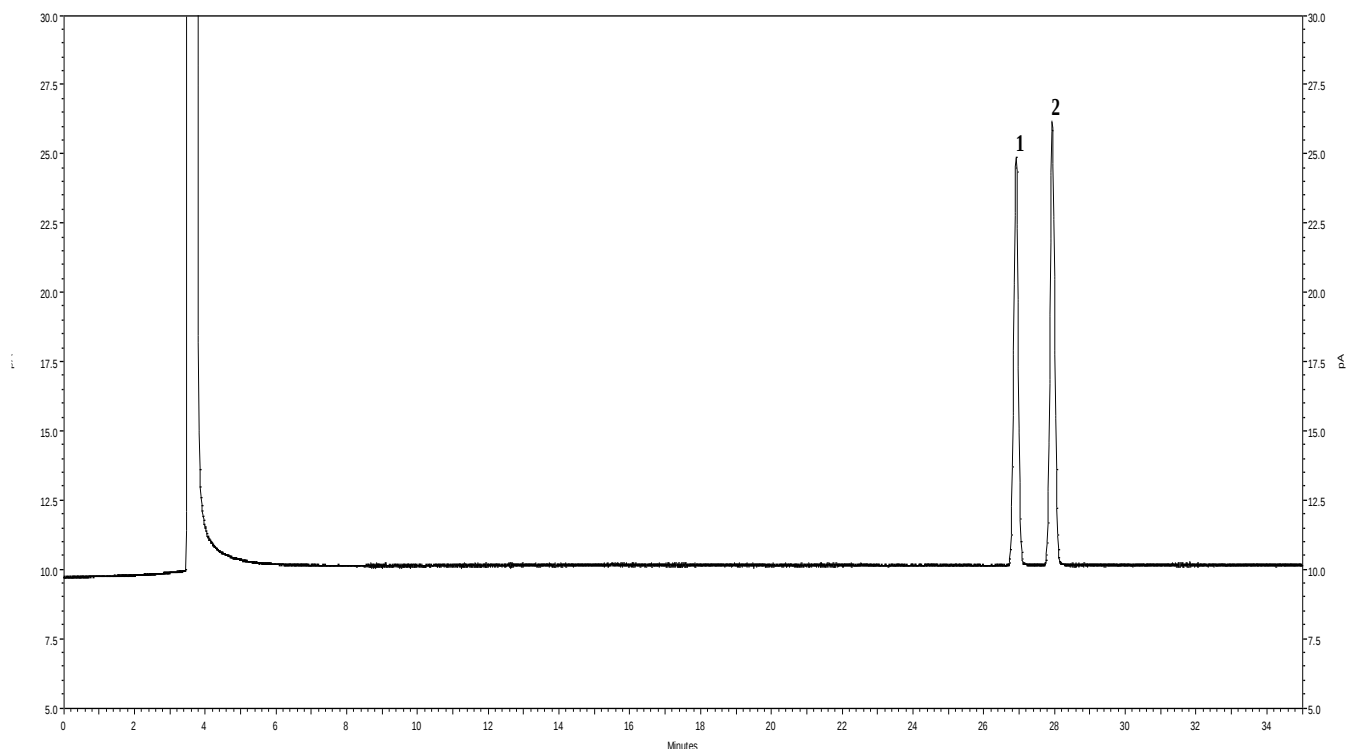




Methadone Tablets – BP 2022

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.

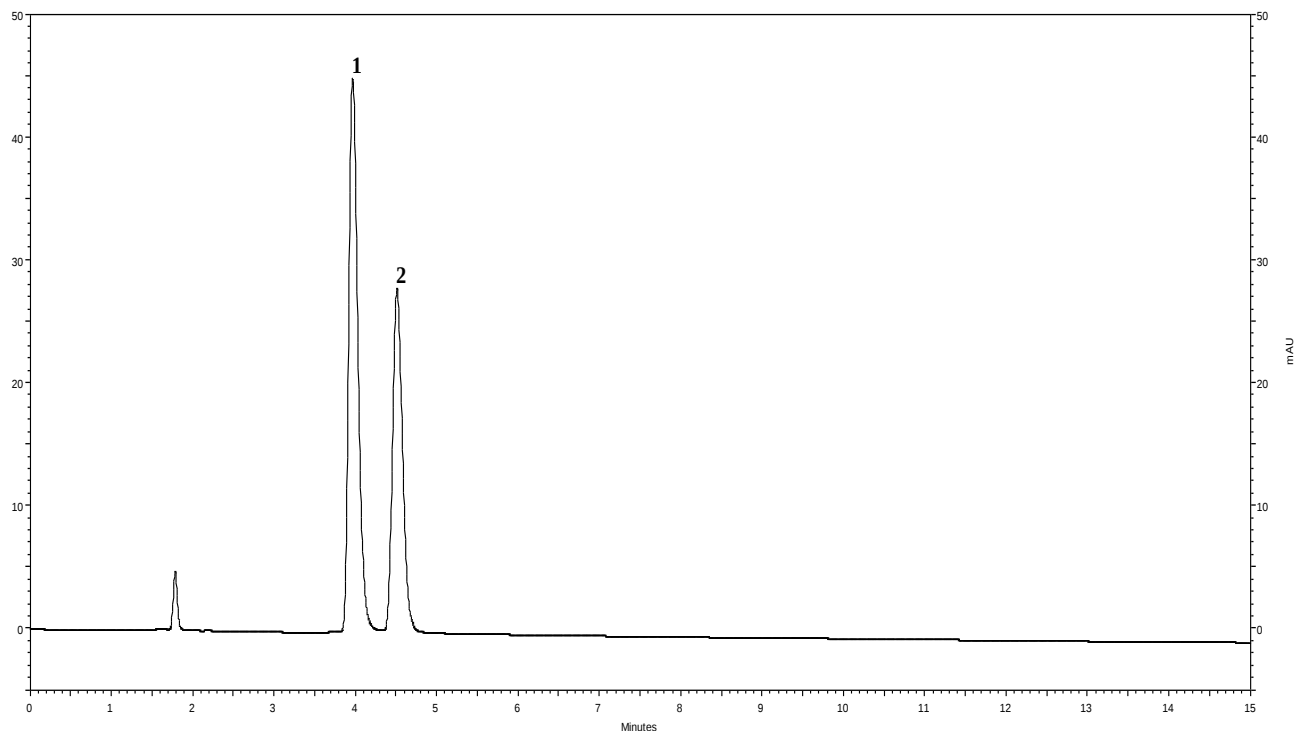
Typical chromatogram for solution (3) in the Related Substances test for Methadone Tablets as published in BP 2022.



Column : Agilent HP-5 (50 m x 0.32 mm, 1.05 µm)
Inlet liner : SGE Focus
Method Ref. : Related substances for the Methadone Tablets monograph from BP 2022
Carrier gas : Helium
Split ratio : 1:10
Inlet temperature : 200 °C
Flow rate : 1.2 mL/min
Column Temp : 25 °C
Injection Volume : 2 µL
Detector temp. : 250 °C
Detector air flow : 400 ml/min
rate
Detector H2 flow : 30 ml/min
rate
Make up gas flow : 30 ml/min
rate
Diluent : Methanol



Typical chromatogram for solution (3) in the Assay test for Methadone Tablets as published in BP 2022.



Peak ID: 1: Imipramine; 2: Methadone

Column	: Phenomenex Bondclone C18 (250 mm x 4.6 mm, 10 µm)
Method Ref.	: Assay for the Methadone Tablets monograph from BP 2022
Mobile Phase	: Acetonitrile : buffer (50:50, v/v), adjusted to pH 5.5 with 2 M sodium hydroxide
Buffer	: 0.02 M potassium dihydrogen orthophosphate solution
Diluent	: Mobile phase
Flow rate	: 1.5 mL/min
Column Temp	: 25 °C
Injection Volume	: 20 µL
Detection	: 220 nm