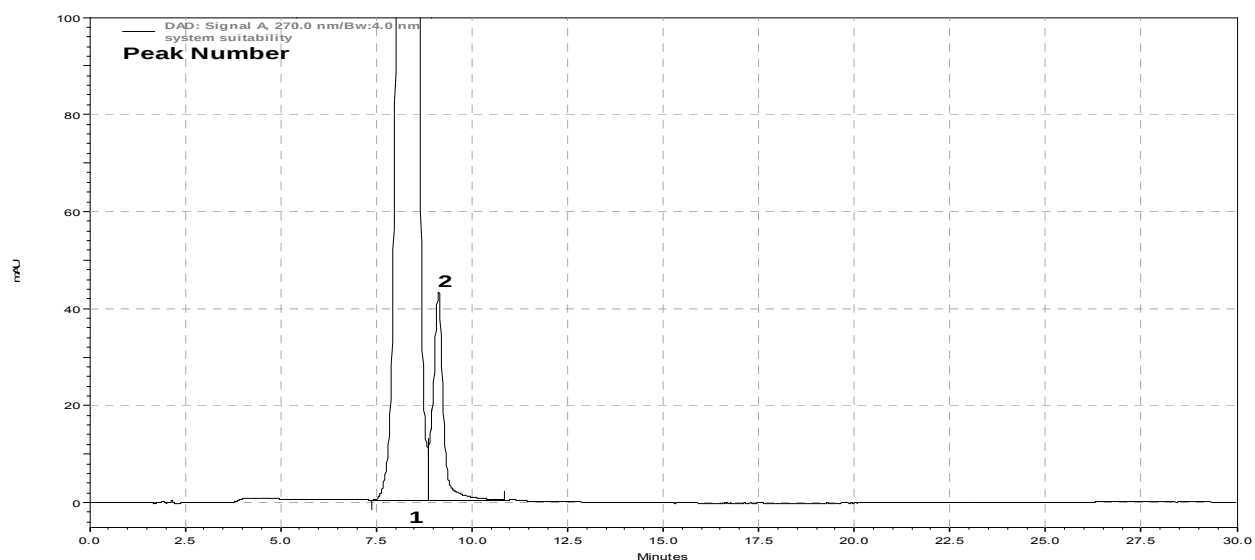


Nitrazepam Tablets – BP 2017

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 (3) in the Related substances test for Nitrazepam Tablets as published in BP 2017.



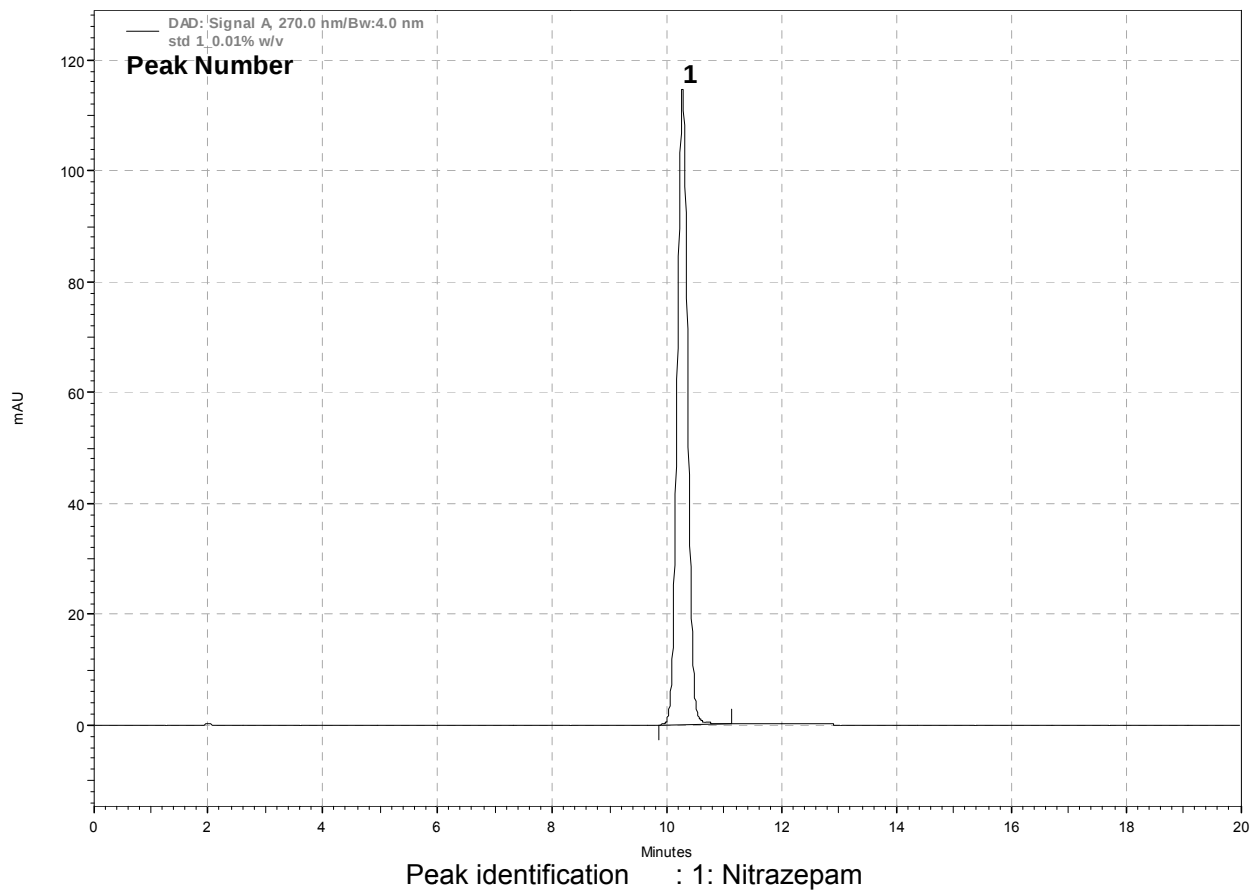
Peak identification : 1: Nitrazepam, 2: Clonazepam

Column : Lichrospher C8 RP Select B (250 mm x 4 mm, 5 µm)
 Mobile phase A : 0.05 M sodium dihydrogen orthophosphate adjusted to pH 3.0 with orthophosphoric acid
 Mobile phase B : Mobile phase A: acetonitrile (20:80 v/v)
 Diluent : Acetonitrile
 Flow Rate : 1.0 mL/min
 Column Temp : 40 °C
 Injection Volume : 20 µL
 Detection : 270 nm
 Gradient

Time (mins)	Mobile phase A (% v/v)	Mobile phase B (% v/v)
0	55	45
3-10	55-37	45-63
10-20	37	63
20-22	37-55	63-45
22-30	55	45



Typical chromatogram for solution (2) in the Assay test for Nitrazepam Tablets as published in BP 2017.



Column	: Licrospher RP C8 Select B (250 mm x 4 mm, 5 µm)
Mobile phase	: Acetonitrile: 0.05 M sodium dihydrogen orthophosphate, adjusted to pH 3.0 (35:65 v/v)
Diluent	: Acetonitrile
Flow Rate	: 1.0 mL/min
Column Temp	: 40 °C
Injection Volume	: 20 µL
Detection	: 270 nm