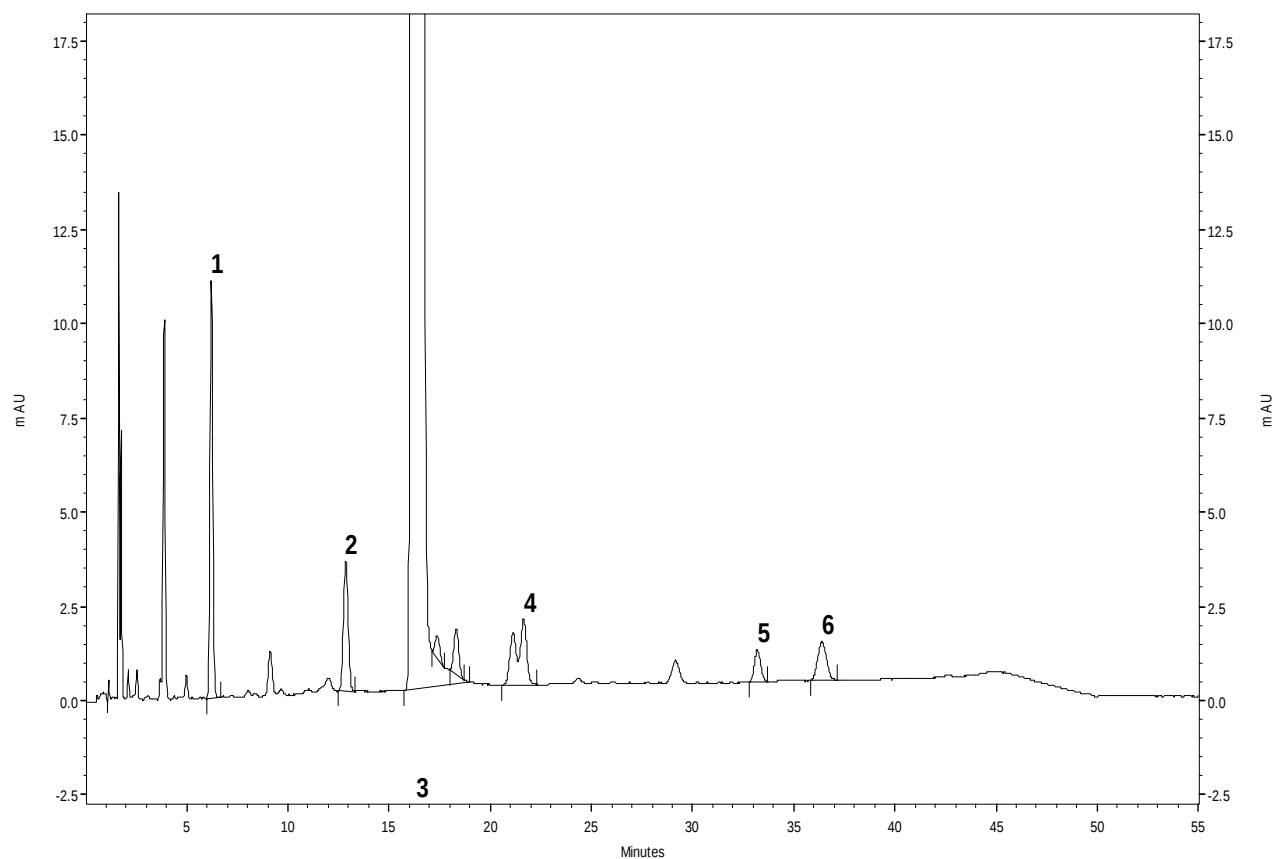


Pantoprazole Gastro-Resistant Tablets – BP 2018

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 Pantoprazole Gastro-Resistant Tablets as published in BP 2018.



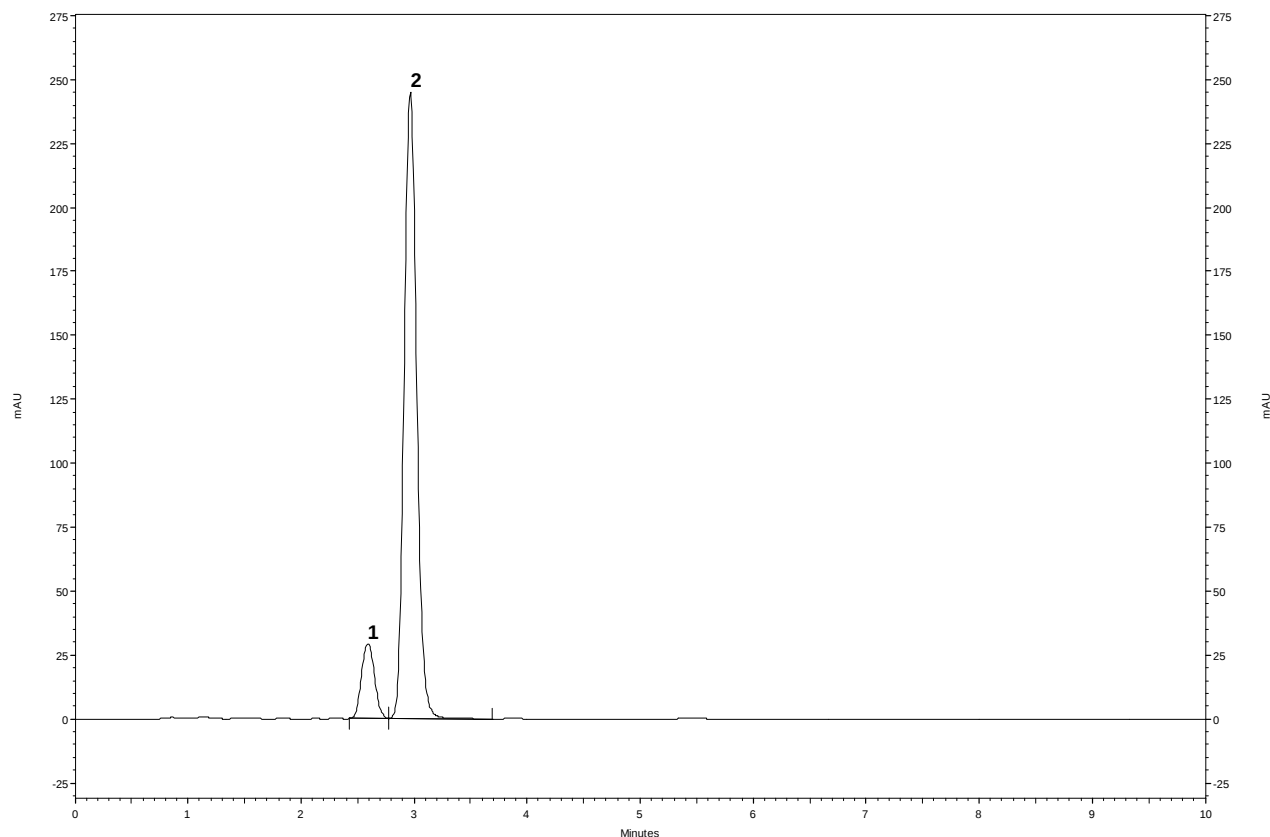
Peak ID: 1: Impurity C; 2: Impurity A; 3: Pantoprazole; 4: Impurities D + F; 5: Impurity E; 6: Impurity B.



Column : Thermo, Hypersil ODS C18 (125 mm x 4.0 mm, 5 µm)
Method Ref. : Related substances for the Pantoprazole Gastro-Resistant Tablets monograph from BP 2018
Mobile Phase A : 0.174 % w/v solution of disodium hydrogen orthophosphate, adjusted to pH 7 with orthophosphoric acid.
Mobile Phase B : Mobile phase A: Acetonitrile: (48:52, v/v)
Diluent : Mobile phase A: Mobile phase B: (60:40, v/v)
Flow Rate : 1.0 mL/min
Column Temp : 40°C
Autosampler Temp : 5°C
Injection Volume : 20 µL
Detection : UV, 290 nm
Gradient :

Time (min)	Mobile Phase A (% v/v)	Mobile Phase B (% v/v)
0 - 3	60	40
3 - 43	60 - 40	40 - 60
43 - 48	40 - 60	60 - 40
48 - 55	60	40

Typical chromatogram for solution (3) in the Assay test for Pantoprazole Gastro-Resistant Tablets as published in BP 2018.



Peak ID: 1: Impurity A; 2: Pantoprazole

Column	: Thermo, Hypersil ODS C18 (125 mm x 4.0 mm, 5 μ m)
Method Ref.	: Related substances for the Pantoprazole Gastro-Resistant Tablets monograph from BP 2018
Buffer	: 0.01 M dipotassium hydrogen phosphate trihydrate, adjusted to pH 7 with 20 % orthophosphoric acid.
Mobile Phase	: Acetonitrile: Buffer (35:65, v/v)
Diluent	: Acetonitrile: 0.001 M solution of sodium hydroxide (50:50, v/v)
Flow Rate	: 1.0 mL/min
Column Temp	: 25°C
Autosampler Temp	: 5°C
Injection Volume	: 20 μ L
Detection	: UV, 290 nm