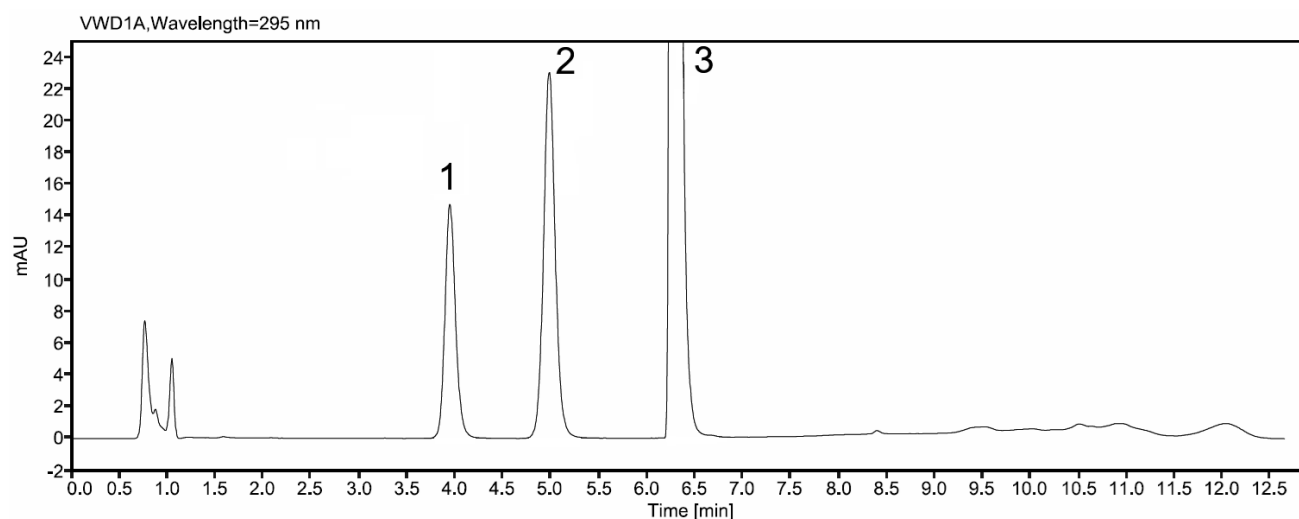




Timolol Tablets – BP 2027

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) from the Related Substances test for Timolol Tablets as published in BP 2027.



Peak ID: 1: Impurity B. 2: Impurity D. 3: Timolol.

Column	Atlantis T3 C18 (100 mm x 3.0 mm, 3 µm)
Method Ref.	Related Substances for the Timolol Tablets monograph from BP 2027
Buffer	1.10% w/v sodium dihydrogen orthophosphate adjusted to pH 2.8 with orthophosphoric acid
Mobile Phase A	0.5 volumes of trifluoroacetic acid diluted to 1000 volumes with water
Mobile Phase B	0.5 volumes of trifluoroacetic acid diluted to 1000 volumes with acetonitrile
Diluent (Solution A)	Methanol: Buffer (20:80, v/v)
Flow rate	0.71 mL/min

Column Temp	25°C		
Injection Volume	10 µL		
Detection	295 nm		
Gradient			
Time (minutes)	Mobile phase A (% v/v)	Mobile phase B (% v/v)	Comment
0 – 2.76	84	16	isocratic
2.76 – 9.20	84 → 20	16 → 80	linear gradient
9.20 – 9.31	20 → 84	80 → 16	linear gradient
9.31 – 12.65	84	16	isocratic