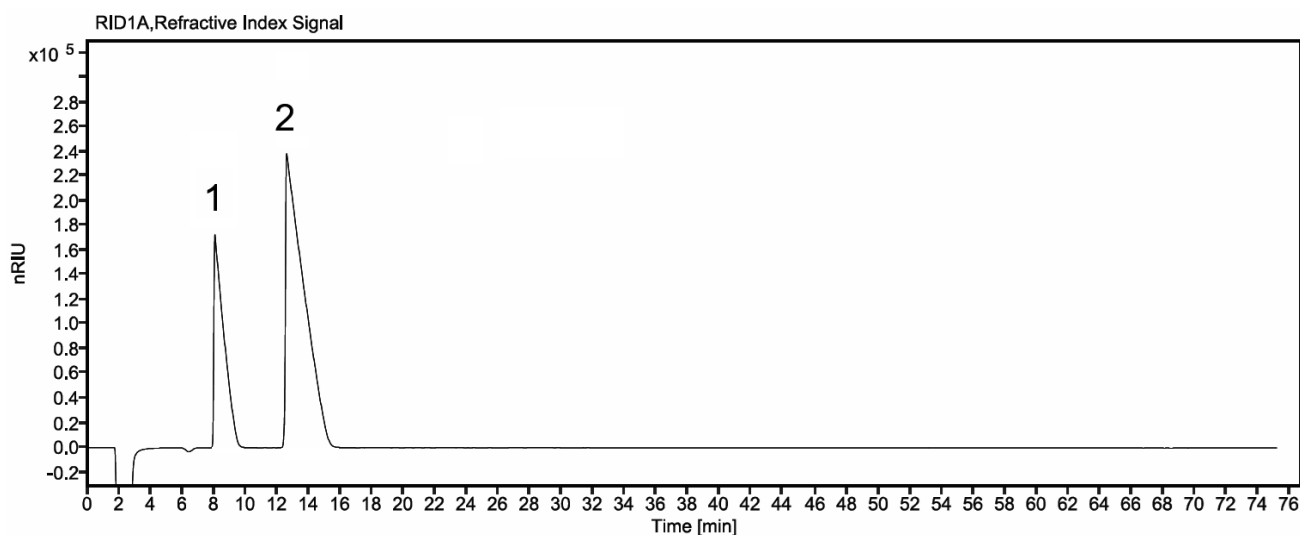




Topiramate Tablets – BP 2027

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 Topiramate Tablets as published in BP 2027.

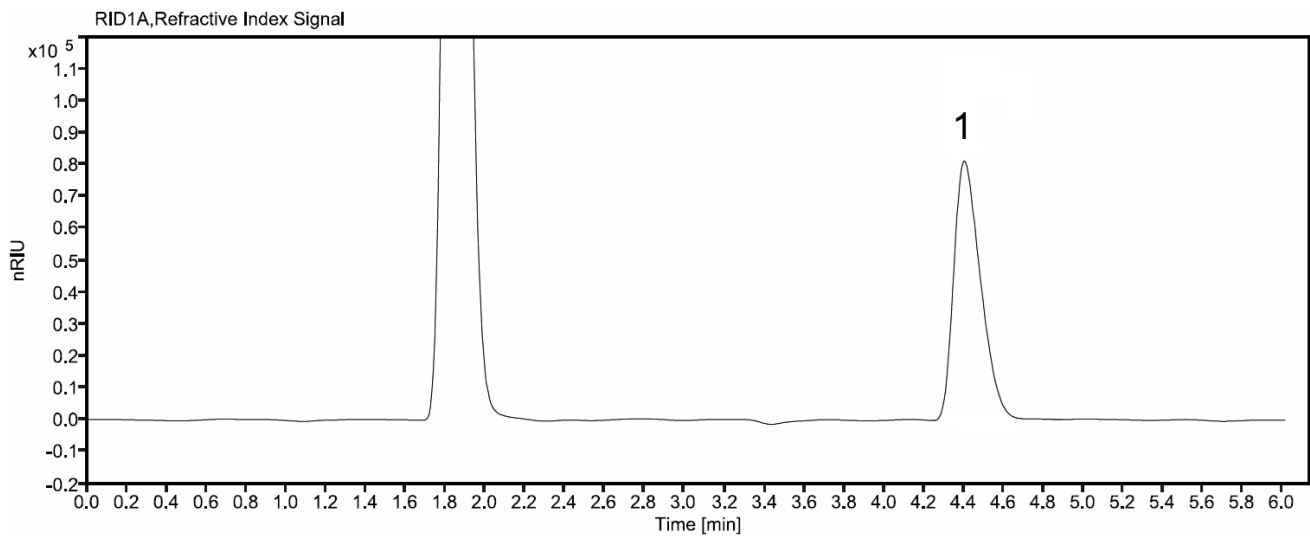


Peak ID: 1: Impurity A. 2: Topiramate

Column	XTerra C18 (250 mm x 4.6 mm, 5 µm)
Method Ref.	Related Substances for the Topiramate Tablets monograph from BP 2027
Buffer	0.154% w/v ammonium acetate, adjusted to pH 4.0 with glacial acetic acid
Mobile Phase	20 volumes of methanol and 80 volumes of buffer
Diluent (Solution A)	20 volumes of methanol and 80 volumes of water
Flow rate	1.5 mL/min
Column Temp	35°C

Injection Volume	600 µL
Detection	Refractive index detector

Typical chromatogram for solution (2) from the Assay test for Topiramate Tablets as published in BP 2027.



Peak ID: 1: Topiramate

Column	Hypersil BDS C18 (150 mm x 4.6 mm, 5 µm)
Method Ref.	Assay for the Topiramate Tablets monograph from BP 2027
Mobile Phase	30 volumes of acetonitrile and 70 volumes of water
Diluent (Solution B)	50 volumes of water and 50 volumes of acetonitrile
Flow rate	1.0 mL/min
Column Temp	50°C
Injection Volume	20 µL
Detection	Refractive index detector