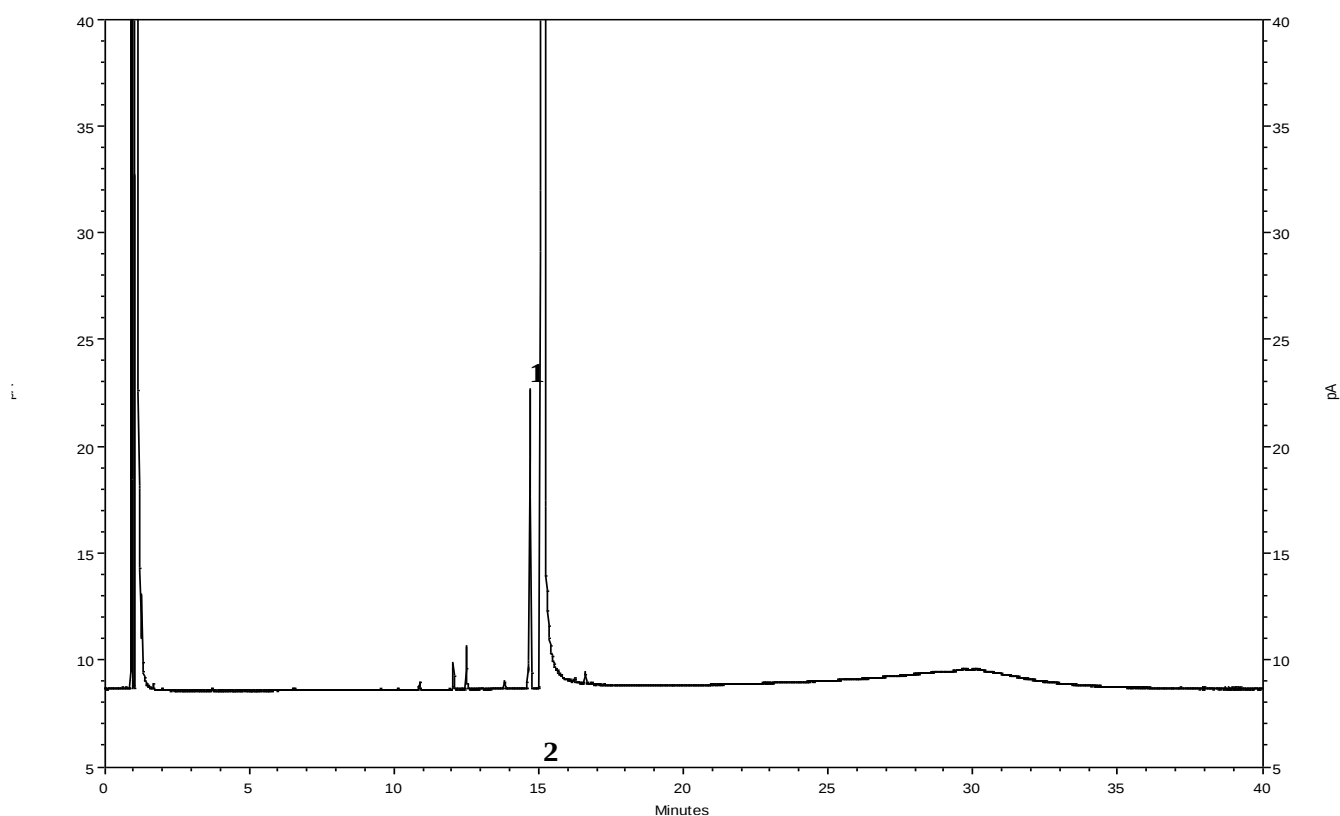




Sodium Valproate Prolonged-release Capsules – BP 2022

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 (4) in the Related Substances test for Sodium Valproate Prolonged-release Capsules as published in BP 2022.



Peak ID: 1: Impurity K; 2: Valproic acid

Column	: Agilent, DB-FFAP (30 m x 0.53 mm, 0.5 µm)
Method Ref.	: Related substances for the Sodium Valproate Prolonged-release Capsules monograph from BP 2022
Carrier gas	: Helium
Split ratio	: 10:1
Detector	: FID
Flow rate	: 8.0 mL/min
Inlet Temp	: 220 °C
Injection Volume	: 1 µL
Detection Temp	: 220 °C
Diluent	: Dichloromethane

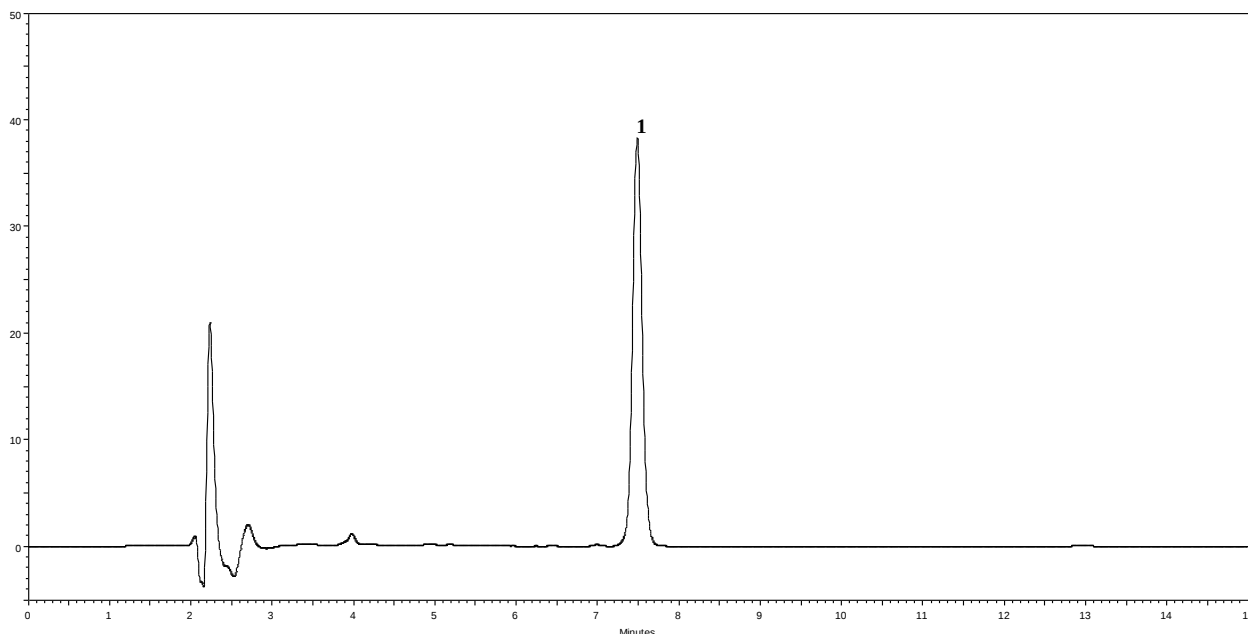


Oven programme:

Time (minutes)	Temperature (°C)
0 - 5	80
5 - 15	80 → 150
15 - 28.3	150 → 190
28.3 - 30	190
30 - 35	190 → 250
35 - 45	250



Typical chromatogram for solution (2) in the Assay test for Sodium Valproate Prolonged-release Capsules as published in BP 2022.



Peak ID: 1: Sodium Valproate

Column	: Thermo Hypersil BDS C18 (250 mm x 4.6 mm, 5.0 μ m)
Method Ref.	: Assay for the Sodium Valproate Prolonged-release Capsules monograph from BP 2022
Mobile Phase	: Acetonitrile : buffer (50:50, v/v)
Buffer	: 0.01 M sodium dihydrogen orthophosphate dihydrate, adjusted to pH 2.3 with orthophosphoric acid
Diluent	: 0.05 M potassium phosphate buffer solution pH 6.8
Flow rate	: 1.0 mL/min
Column Temp	: 25 °C
Injection Volume	: 20 μ L
Detection	: 210 nm