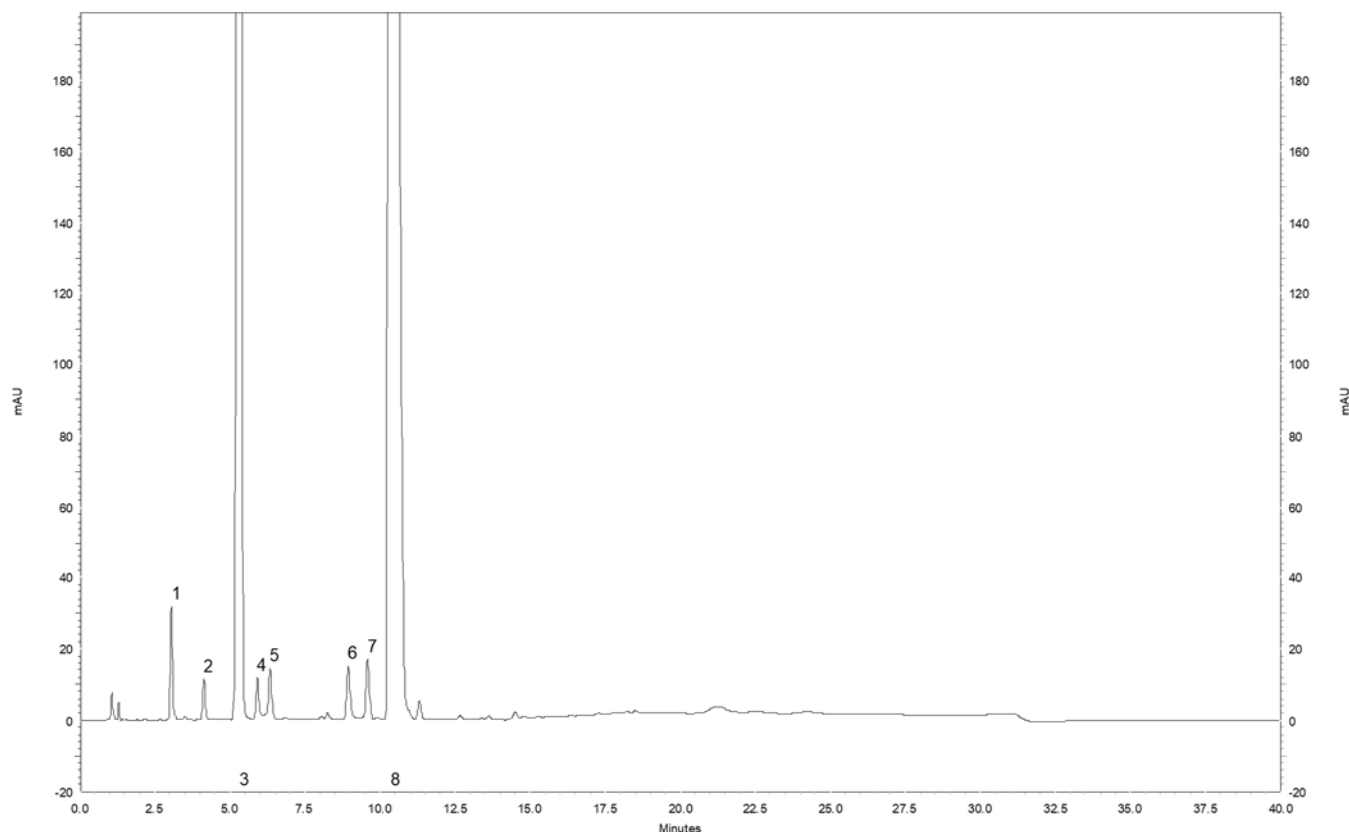




Phenoxymethylpenicillin Oral Solution BP 2020

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 Phenoxymethylpenicillin Oral Solution as published in BP 2020.



Peak ID: 1: Impurity B; 2: Impurity D; 3: Sodium Benzoate; 4: Impurity E1; 5: Impurity E2; 6: Impurity F1; 7: Impurity F2; 8: Phenoxymethylpenicillin

Column : YMC Pack pro C18 (150 mm x 4.6 mm, 3 µm)
Method Ref. : Related Substances for the Phenoxymethylpenicillin Oral Solution monograph from BP 2020
Buffer : 68 g/L potassium dihydrogen phosphate adjusted to pH 3.4 with phosphoric acid
Mobile Phase A : Buffer: methanol: water (10: 30: 60 v/v/v)
Mobile Phase B : Buffer: water: methanol (5: 35: 60 v/v/v)
Gradient :

Time (minutes)	Mobile phase A (% v/v)	Mobile Phase B (% v/v)
0-2	85	15
2-5	85-70	15-30
5-17	70-0	30-100
17-30	0	100
30-31	0-85	100-15
31-40	85	15



British Pharmacopoeia

Diluent : 0.2 M potassium dihydrogen phosphate: water (25: 75, v/v) adjusted to pH 6.5
with 0.84% w/v sodium hydroxide

Flow rate : 1.5 mL/min

Column Temp : 50 °C

Injection Volume : 20 µL

Detection : UV 254 nm