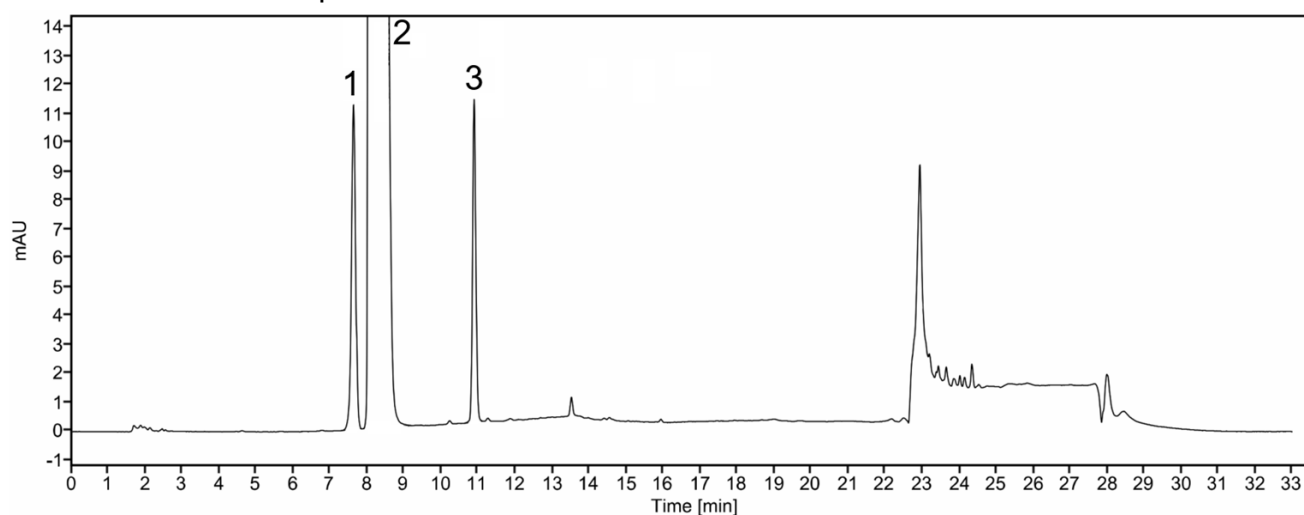




Salbutamol Nebuliser Solution – BP 2026

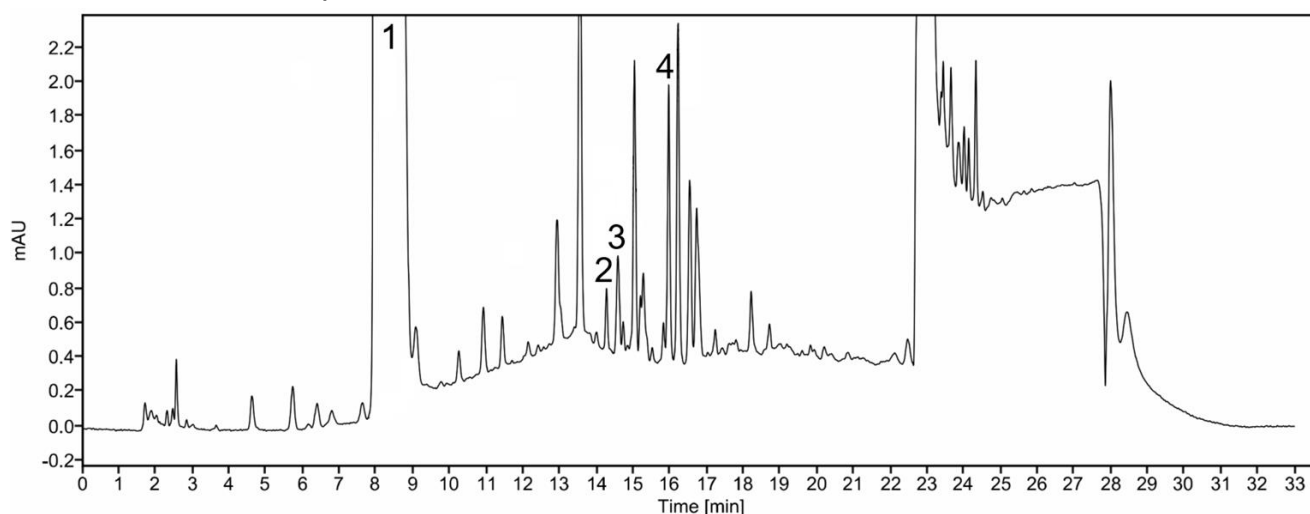
These chromatograms are provided for information only as an aid to analysts and are intended as guidance for the interpretation and application of BP monographs.

Typical chromatogram for solution (3) from the Related Substances test for Salbutamol Nebuliser Solution as published in BP 2026.



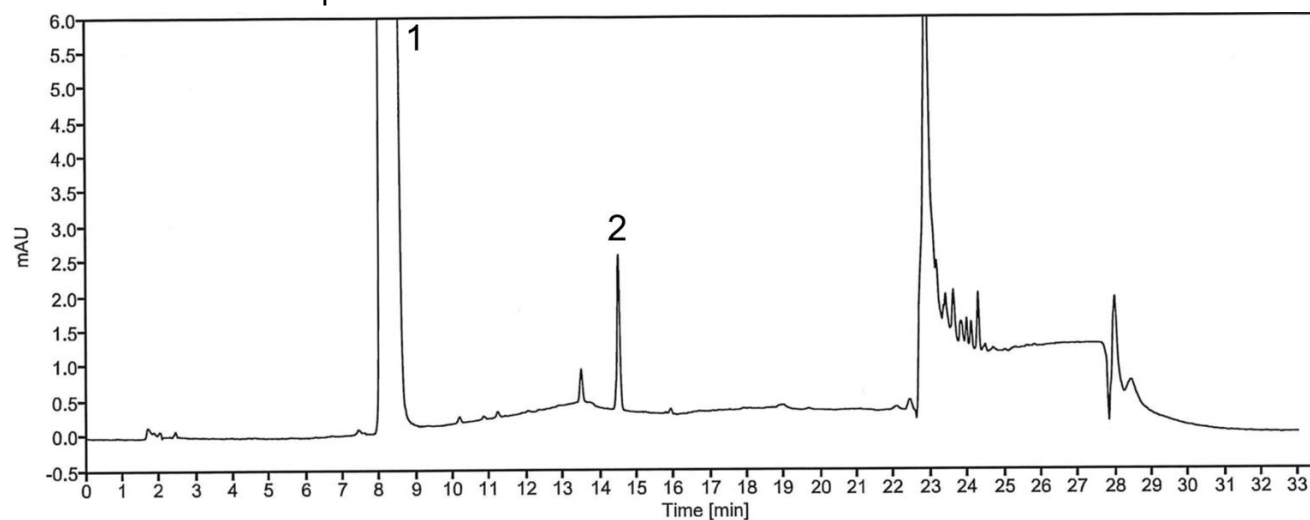
Peak ID: 1: Impurity J. 2: Salbutamol. 3: Impurity Q.

Typical chromatogram for solution (4) from the Related Substances test for Salbutamol Nebuliser Solution as published in BP 2026.



Peak ID: 1: Salbutamol. 2: Impurity N1. 3: Impurity N2. 4: Impurity F.

Typical chromatogram for solution (5) from the Related Substances test for Salbutamol Nebuliser Solution as published in BP 2026.



Peak ID: 1: Salbutamol. 2: Impurity D.

Column	Hypersil BDS C8 (150 mm x 4.6 mm, 3 µm)
Method Ref.	Related Substances for the Salbutamol Nebuliser Solution monograph from BP 2026
Mobile Phase A	Triethylamine: 3.9 g/L sodium dihydrogen phosphate dihydrate, adjusted to pH 3.0 with 10% phosphoric acid (0.5:1000, v/v)
Mobile Phase B	Methanol: acetonitrile (35:65 v/v)

Diluent		Mobile phase A		
Flow rate		1.0 mL/min		
Column Temp		30°C		
Injection Volume		50 µL		
Detection		273 nm		
Gradient				
Time (minutes)	Mobile phase A (% v/v)	Mobile phase B (% v/v)	Flow rate (mL/min)	Comment
0 – 5	95	5	1.0	isocratic
5 – 18	95 → 70	5 → 30	1.0	linear gradient
18 – 20	70	30	1.0	isocratic
20 – 20.1	70 → 10	30 → 90	1.0	linear gradient
20.1 – 25	10	90	1.0	isocratic
25 – 25.1	10 → 95	90 → 5	1.0	linear gradient
25.1 - 33	95	5	1.0	re-equilibration