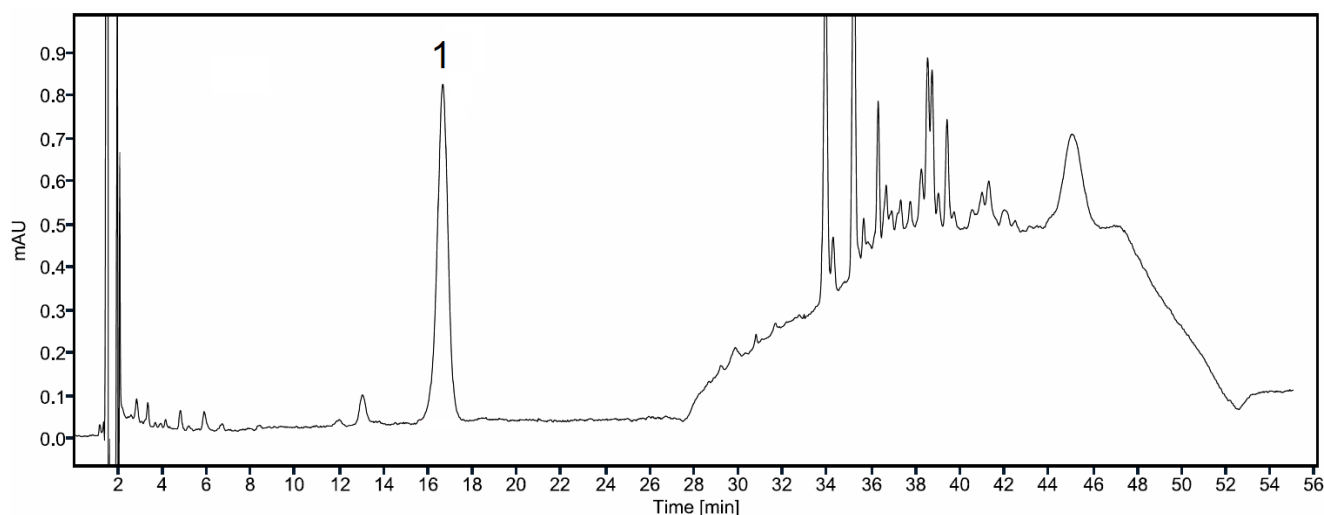




Nystatin Oral Suspension – BP 2025

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 (2) from the Composition test for Nystatin Oral Suspension as published in BP 2025.

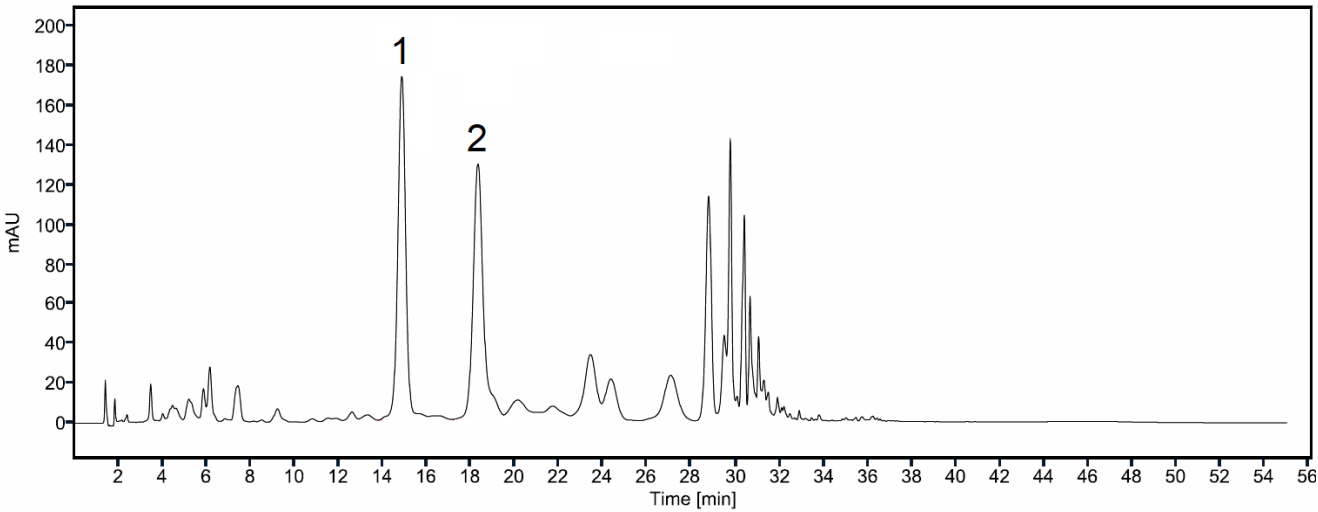


Peak ID: 1: Nystatin A1.

Column	Thermo Hypersil BDS C18 (150 mm x 4.6 mm, 5 µm)
Method Ref.	Composition for the Nystatin Oral Suspension monograph from BP 2025
Mobile Phase A	Acetonitrile: 0.385% w/v Ammonium acetate (29:71, v/v)
Mobile Phase B	0.385% w/v Ammonium acetate: Acetonitrile (40:60, v/v)
Diluent	Dimethyl sulfoxide
Flow rate	Refer to gradient table below
Column Temp	30°C
Injection Volume	20 µL

Detection	305 nm			
Gradient				
Time (minutes)	Mobile phase A (% v/v)	Mobile phase B (% v/v)	Flow rate (mL/min)	Comment
0 – 25	100	0	1.0	isocratic
25 – 35	100 → 0	0 → 100	1.0	linear gradient
35 – 45	0	100	1.0	isocratic
45 – 50	0 → 100	100 → 0	1.0	linear gradient
50 – 55	100	0	1.0	re-equilibration

Typical chromatogram for solution (3) from the Composition test for Nystatin Oral Suspension as published in BP 2025.



Peak ID: 1: Principal peak 1. 2: Principal peak 2.

Column	Thermo Hypersil BDS C18 (150 mm x 4.6 mm, 5 µm)			
Method Ref.	Composition for the Nystatin Oral Suspension monograph from BP 2025			
Mobile Phase A	Acetonitrile: 0.385% w/v Ammonium acetate (29:71, v/v)			
Mobile Phase B	0.385% w/v Ammonium acetate: Acetonitrile (40:60, v/v)			
Diluent	Methanol: Water: Dilute hydrochloric acid (5:5:2, v/v/v)			
Flow rate	Refer to gradient table below			
Column Temp	30°C			
Injection Volume	20 µL			
Detection	305 nm			
Gradient				
Time (minutes)	Mobile phase A (% v/v)	Mobile phase B (% v/v)	Flow rate (mL/min)	Comment
0 – 25	100	0	1.0	isocratic
25 – 35	100 → 0	0 → 100	1.0	linear gradient
35 – 45	0	100	1.0	isocratic

45 – 50	$0 \rightarrow 100$	$100 \rightarrow 0$	1.0	linear gradient
50 – 55	100	0	1.0	re-equilibration