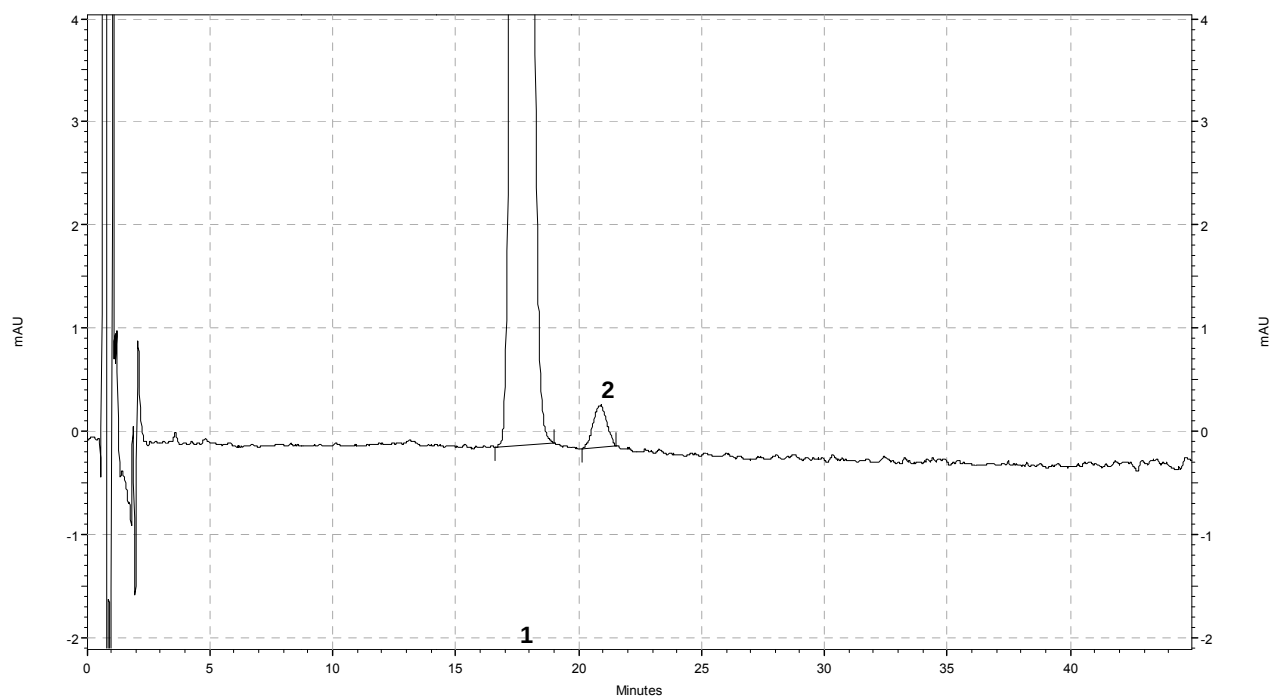


Loperamide Oral Solution – BP 2017

This chromatogram is provided for information only as an aid to analysts and intended as guidance for the interpretation and application of BP monographs.

Typical chromatogram for solution (4) in the Related Substances test for Loperamide Oral Solution as published in BP 2017.



Peak ID: 1: Loperamide Hydrochloride; 2: Loperamide *N*-Oxide

Column	: Phenomenex Luna C18 (2) 100 A (75 mm x 4.6 mm, 5 μ m)
Mobile Phase	: Tetrahydrofuran: acetonitrile: buffer solution (0.46 % w/v of ammonium dihydrogen phosphate and 0.61 % w/v decanesulfonic acid, adjusted to pH 2.1 with orthophosphoric acid) (5:37:58 v/v/v)
Diluent	: 0.09 M potassium dihydrogen phosphate adjusted to pH 2.1 with orthophosphoric acid: methanol (35:65 v/v)
Flow Rate	: 1.0 mL/min
Column Temp	: 30 °C
Injection Volume	: 20 μ L
Detection	: 219 nm