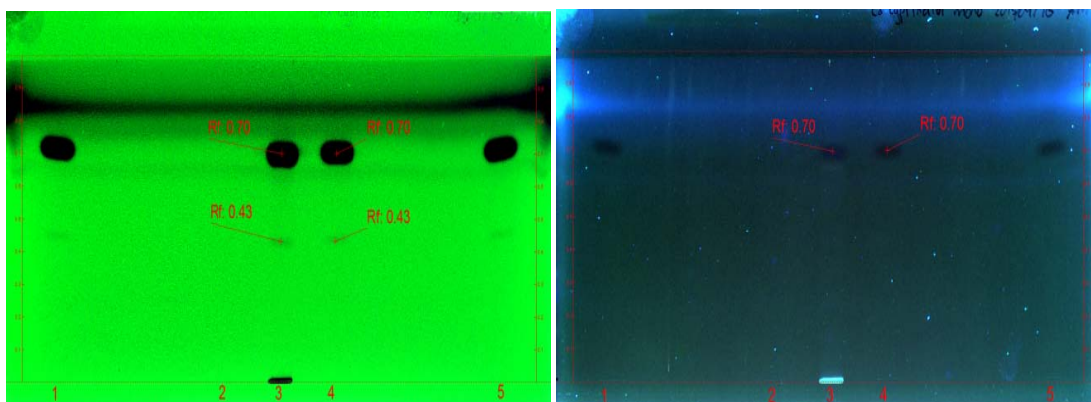


Co-cyprindiol Tablets – BP 2017

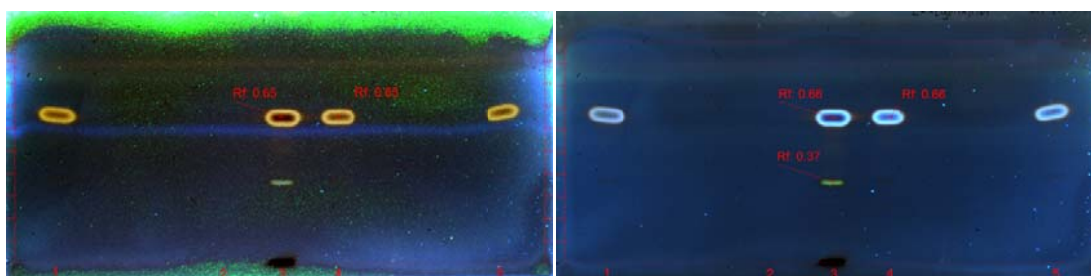
These chromatograms are provided for information only as an aid to analysts and intended as guidance for the interpretation and application of BP monographs.

Example chromatogram for Identification A in Co-cyprindiol Tablets as published in BP 2017.

1. 0.000175 % w/v ethinylestradiol and 0.1 % w/v cyproterone acetate - Solution (2)
2. Blank
3. 1 tablet in 1 mL of diluent – Solution (1)
4. 0.000175 % w/v ethinylestradiol and 0.1 % w/v cyproterone acetate - Solution (2)
5. 0.000175 % w/v ethinylestradiol and 0.1 % w/v cyproterone acetate - Solution (2)



Developed plates visualised at 254nm and 366nm respectively.



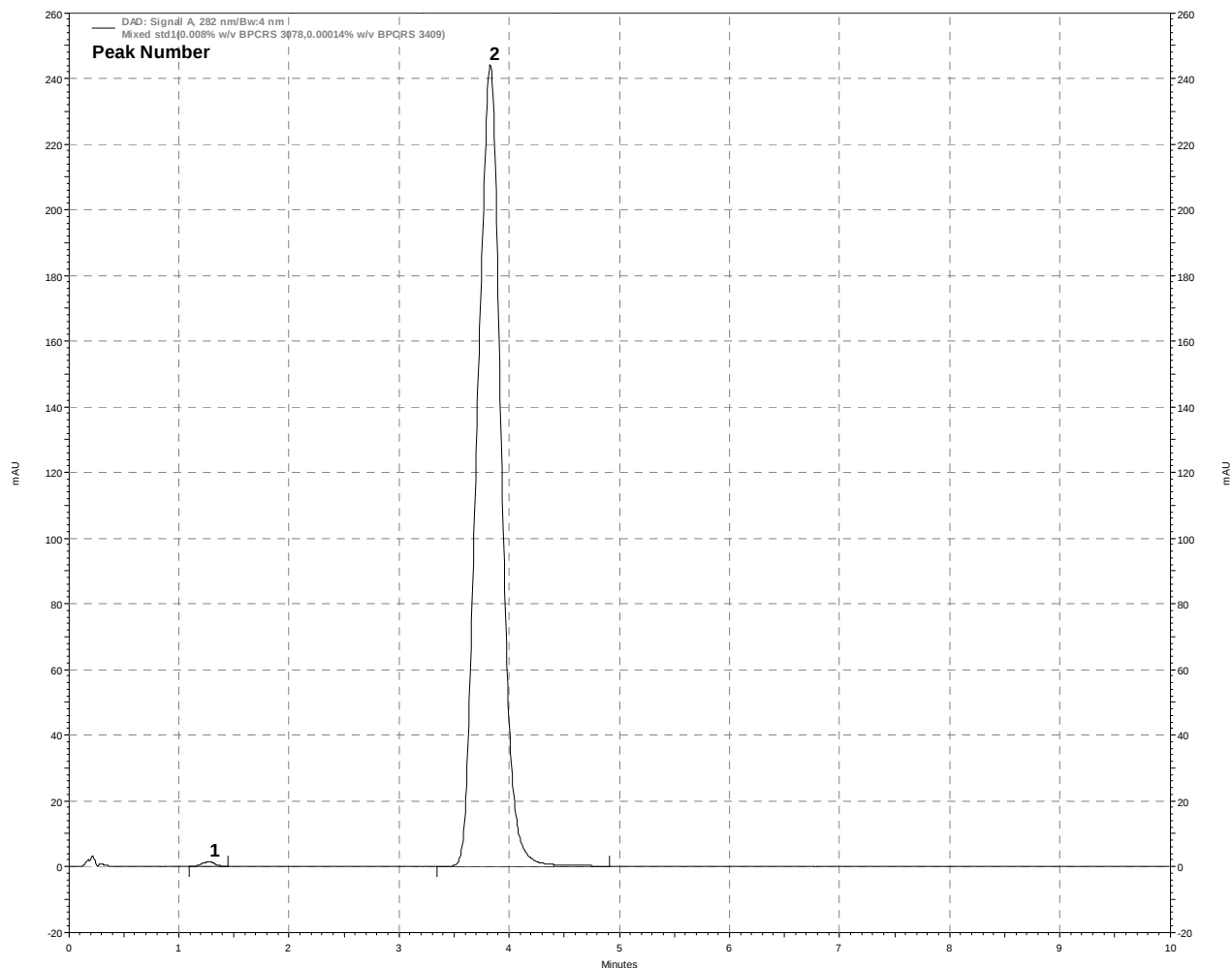
Derivatised plates visualised at 254nm and 366nm respectively.



TLC plate	Merck TLC silica gel 60 F ₂₅₄ Plate, 10 cm × 20 cm
Plate preconditioning	N/A
Diluent	Methanol (80% v/v)
Mobile Phase	Diethylamine: dichloromethane: toluene (8:60:32 v/v/v)
Mobile Phase volume	10 mL (development) 25 mL (chamber saturation)
Band application	8 mm band size with a spotting volume of 15 µL
Chamber saturation	20 minutes at room temperature
Humidity Control	10 minutes (relative humidity 36 % - 40 %)
Development	77 mm
Development time	15 minutes
Drying time	5 minutes
Derivatisation	Sprayed with sulphuric acid (20%) in methanol and heated at 110 °C for 10 minutes.
Visualisation	Developed plate, prior to derivatisation, examined under UV light at 254 nm and 366 nm Derivatised plates examined under UV light at 254nm and 366nm

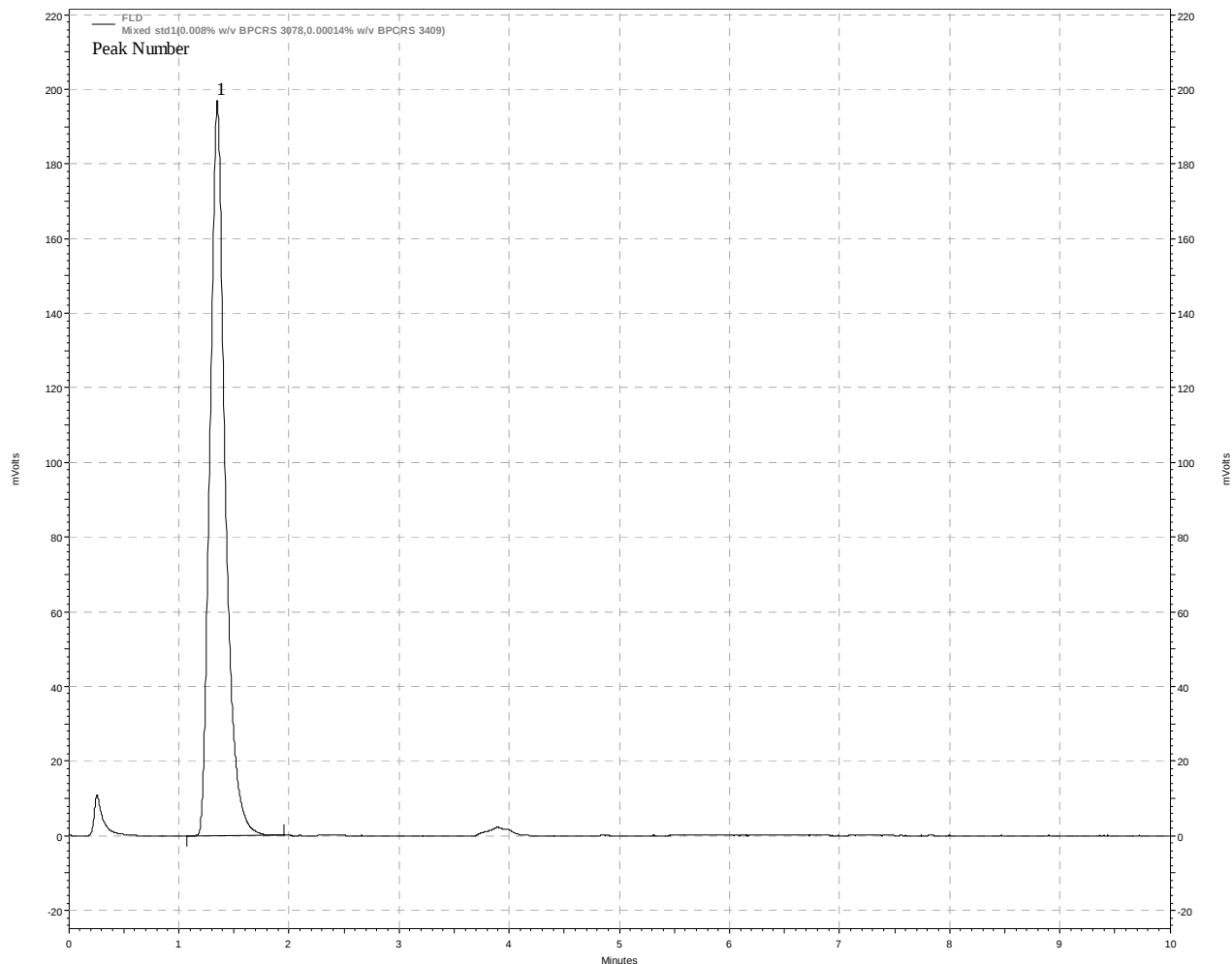


Typical chromatogram for solution (2) (UV detection) in the Assay test for Co-cyprindiol Tablets as published in BP 2017.





Typical chromatogram for solution (2) (fluorescence detection) in the Assay test for Co-cyprindiol Tablets as published in BP 2017.



Peak ID: 1: Ethinylestradiol,

Column	: Waters Spherisorb ODS (50 mm x 4.6 mm, 3 µm)
Mobile Phase	: Acetonitrile: water (6:4 v/v)
Diluent	: 80 % v/v methanol
Flow Rate	: 2.5 mL/min
Column Temp	: 25 °C
Injection Volume	: 50 µL
Detection	: UV 282 nm
	Fluorescence excitation 280 nm
	Fluorescence emission 310 nm