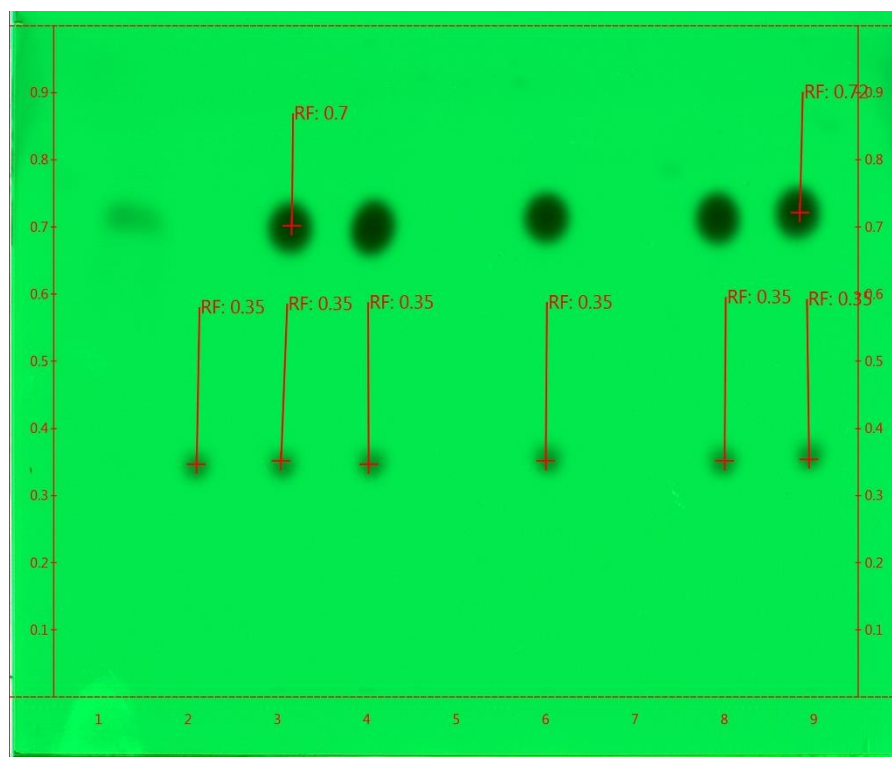




Paracetamol and Caffeine Tablets – BP 2022

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 the Identification B test for Paracetamol and Caffeine Tablets by Thin Layer Chromatography as published in BP 2022.



- 1; 5; 7 Blank
2 0.65 % w/v caffeine standard solution
3; 9 System suitability solution
4; 6; 8 Tablet sample 0.65 % w/v solutions

TLC plate	TLC silica gel 60 F254 plate (20 cm × 20 cm)
Plate preconditioning	N/A
Diluent	Methanol
Mobile Phase	Acetic acid : ethanol : water : ethyl acetate (5 : 5 : 5 : 50, v/v/v/v)
Mobile Phase volume	65 mL
Band application	3 mm band size with a spotting volume of 1 µL
Chamber saturation	Minimum 60 minutes at room temperature
Development	150 mm
Development time	75 minutes
Drying time	10 minutes in air
Derivatisation	N/A
Visualisation	Developed plate examined under UV light (254 nm)