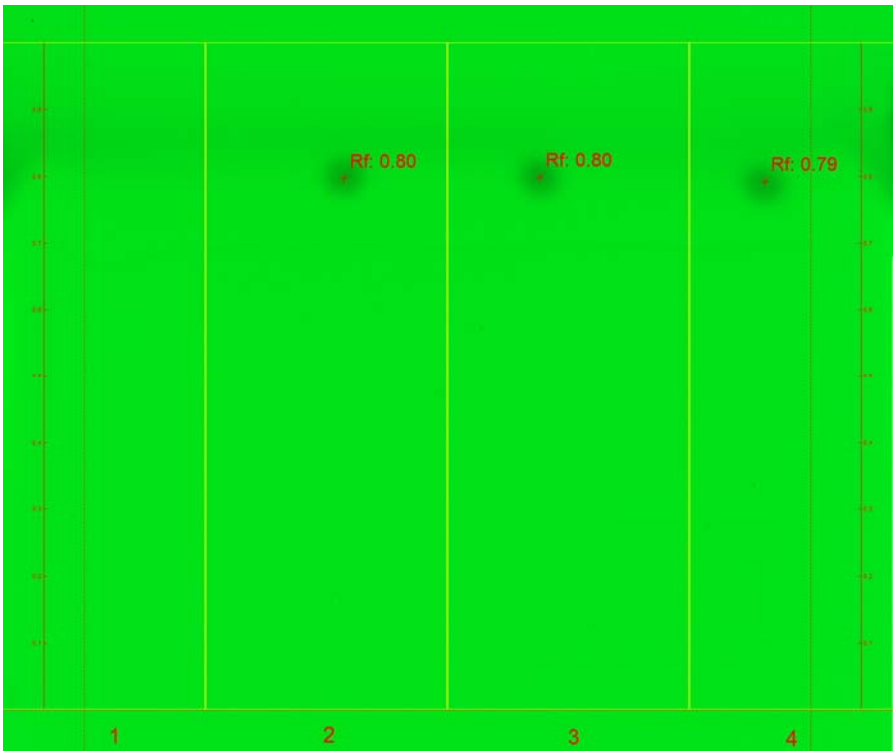
Hydroquinone – BP 2019

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

Typical chromatogram for the Identification test for Hydroquinone by Thin Layer Chromatography as published in the BP 2019.



1 Blank

2 System suitability solution containing 0.05 % w/v each of hydroquinone standard and hydroquinone sample solutions

3 0.1 % w/v hydroquinone standard solution

4 0.1 % w/v hydroquinone sample solution

TLC plate	Merck TLC silica gel 60 F_{254} Plate, 20 cm × 20 cm
Plate preconditioning	N/A
Diluent	Methanol
Mobile Phase	Dichloromethane : methanol (50:50, v/v)
Mobile Phase volume	100 mL
Band application	3 mm band size with a spotting volume of 5 µL
Chamber saturation	Minimum 60 minutes at room temperature
Development	150 mm
Development time	63 minutes
Drying time	1 minute in warm air
Heating time	15 minutes on hotplate at 105 °C
Visualisation	Developed plates examined under UV light (254 nm)