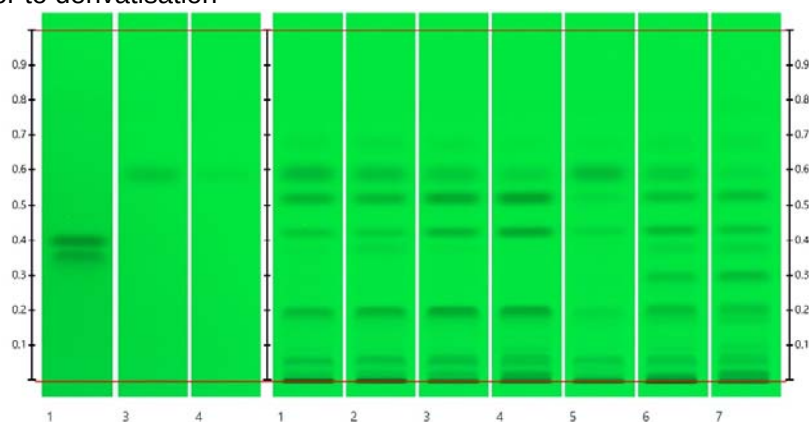


Nutmeg – BP 2019

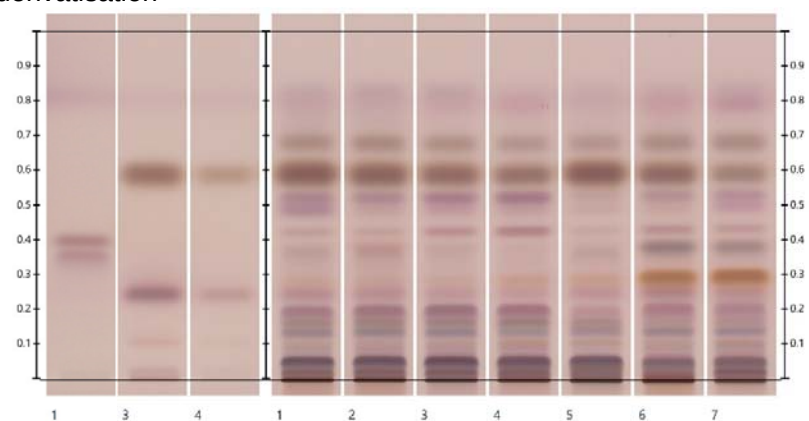
This chromatogram is provided for information only as an aid to analysts and intended as guidance for the interpretation and application of BP monographs.

Example chromatogram for Identification C in Nutmeg as published in BP 2019.

Under 254 nm prior to derivatisation



Under WRT after derivatisation



Tracks	Type of solution
1 (on the left)	SST- Solution (4)
2 (on the left)	Reference solution- Solution (2)
3 (on the left)	Reference solution- Solution (3)
1-7 (on the right)	Nutmeg test solutions- Solution (1)



British Pharmacopoeia

HPTLC plate	: Merck, HPTLC silica 60 F ₂₅₄ plate, 20x10 cm
Mobile phase	: Ethyl acetate, toluene (5:95 v/v)
Application volume	: 4 µL of solution as 8 mm bands
Humidity control	: 10 minutes (relative humidity 33%)
Development	: 70 mm from the lower edge of the plate
Drying	: In a current of air
Derivatisation	: To 170 mL of cold methanol 20 mL of acetic acid and 10 mL of sulfuric acid are added and mixed well. After cooling to room temperature 1 mL of anisaldehyde is added to the mixture. Treat the plate in this solution and heat at 100° for 3 minutes
Detection	: Prior to derivatisation under 254 nm Post-derivatisation under white light (WRT)