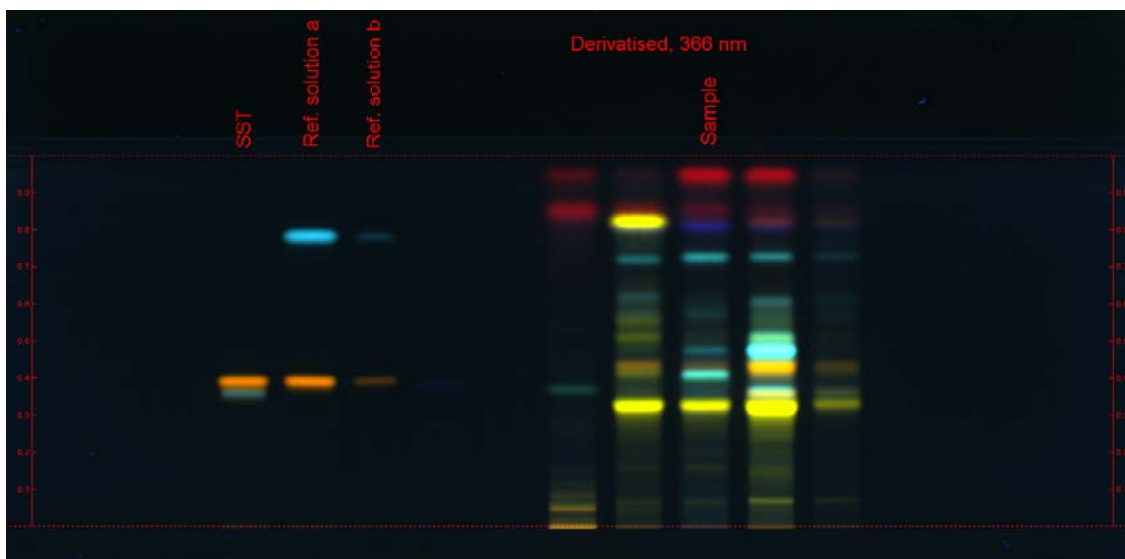
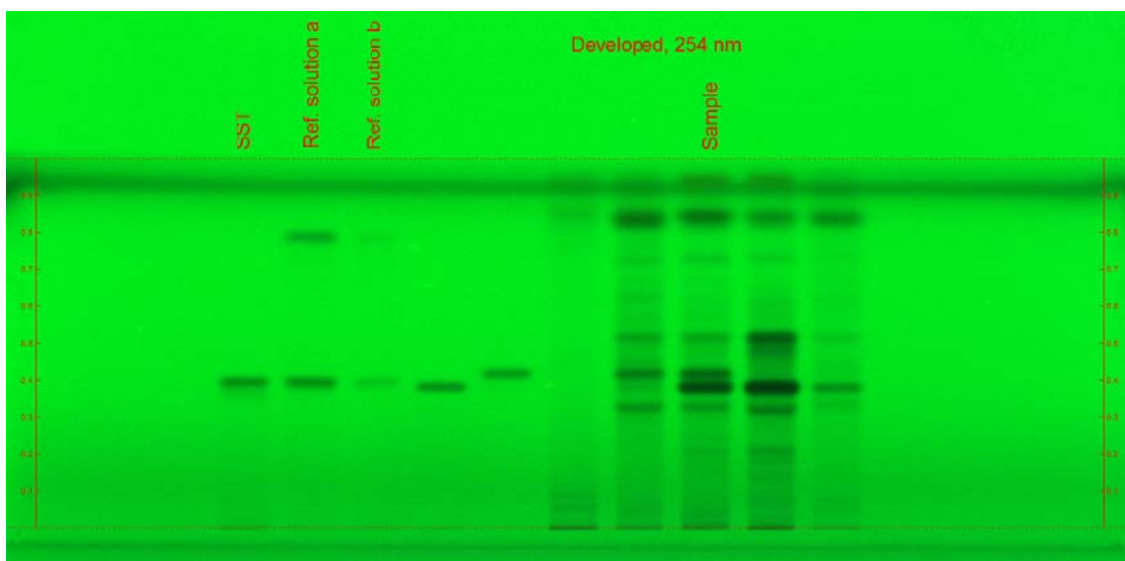


Vitex Negundo Leaf – BP 2017

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 chromatograms for Identification C in Vitex Negundo Leaf as published in BP 2017.





British Pharmacopoeia

HPTLC Plate : Merck HPTLC silica gel 60 F254 plate, 20 cm × 10 cm
Plate pre-conditioning : Heated at 100 °C for 10 minutes
Mobile Phase : Ethyl acetate: water: formic acid (8:1:1 v/v/v)
Diluent : Methanol
Application volume : 2 µL, as 8 mm bands, 8 mm from the lower edge of the plate, bands applied as a spray using nitrogen as the gas
Humidity control : 10 minutes (relative humidity 33 %)
Development : 70 mm from the lower edge of the plate
Development time : ~17 minutes
Drying time : 5 minutes
Derivatisation : Heated at 100 °C for 3 minutes, dipped the hot plate in NP(1) reagent (speed 5 m/s, time 1 s), dried the plate and dipped in PEG(2) reagent (speed 5 m/s, time 1 s)
Detection : Pre-derivatisation under UV at 254 nm
: Post-derivatisation under UV at 366 nm