



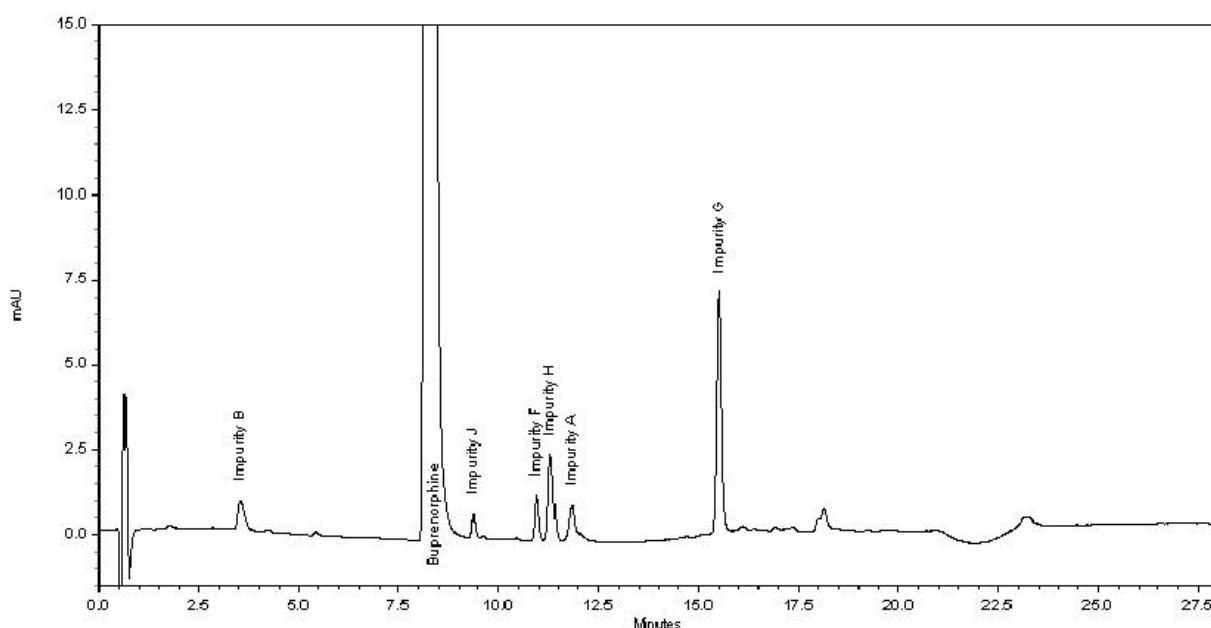
Buprenorphine Injection – BP 2016

Buprenorphine Transdermal Patches – BP 2016

Buprenorphine Sublingual Tablets – BP 2016

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

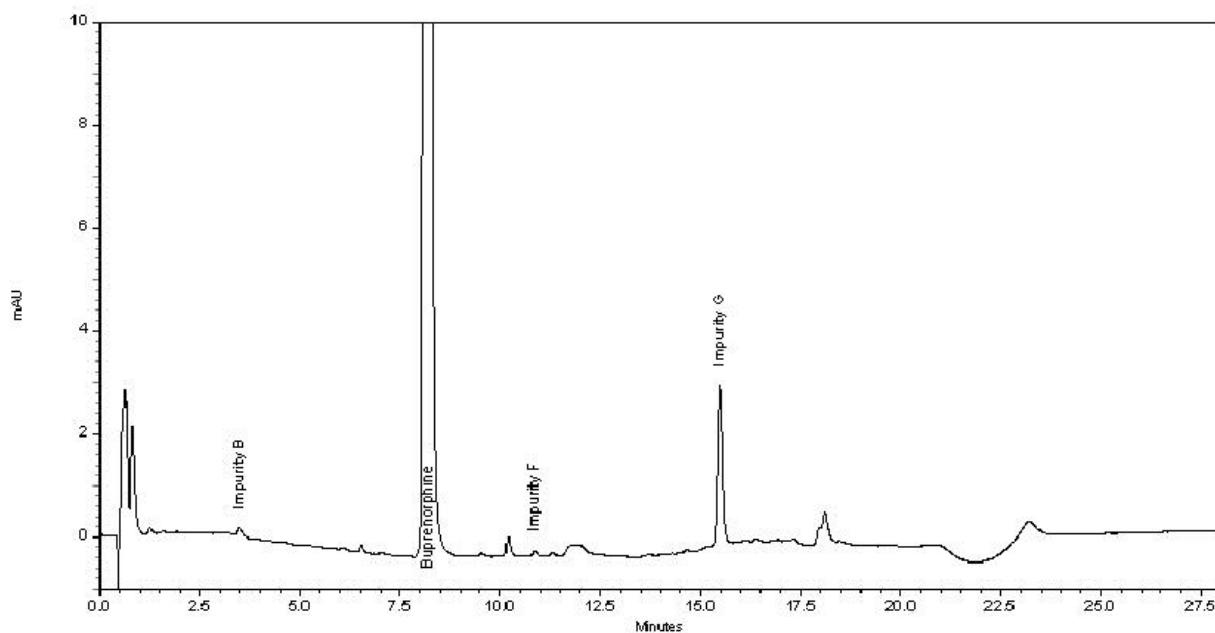
Typical chromatogram for solution (3) in the Related Substances test for Buprenorphine Injection, Buprenorphine Transdermal Patches & Buprenorphine Sublingual Tablets as published in BP 2016.



The chromatogram shows a large buprenorphine peak (off scale at 15 mAU) at 8.4 minutes and six small peaks due to buprenorphine impurity B (2mAU) at 3.6 minutes, buprenorphine impurity H (2 mAU) at 11.3 minutes, buprenorphine impurity A (1 mAU) at 11.8 minutes and buprenorphine impurity G (7 mAU) at 15.5 minutes.

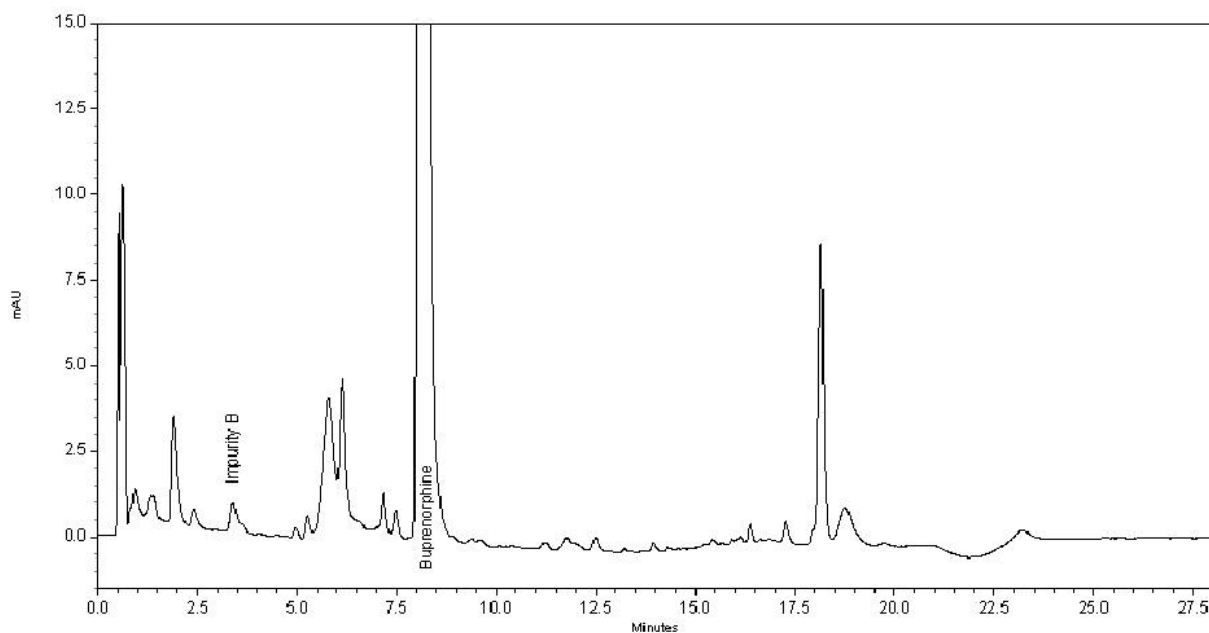


Solution (1): Test solution (Injection)



The chromatogram shows a large buprenorphine peak (off scale at 15 mAU) at 8.4 minutes and three small known impurities peak due to buprenorphine impurity B (<1 mAU) at 3.6 minutes, buprenorphine impurity F (<1 mAU) at 10.9 minutes, minutes and buprenorphine impurity G (3 mAU) at 15.5 minutes.

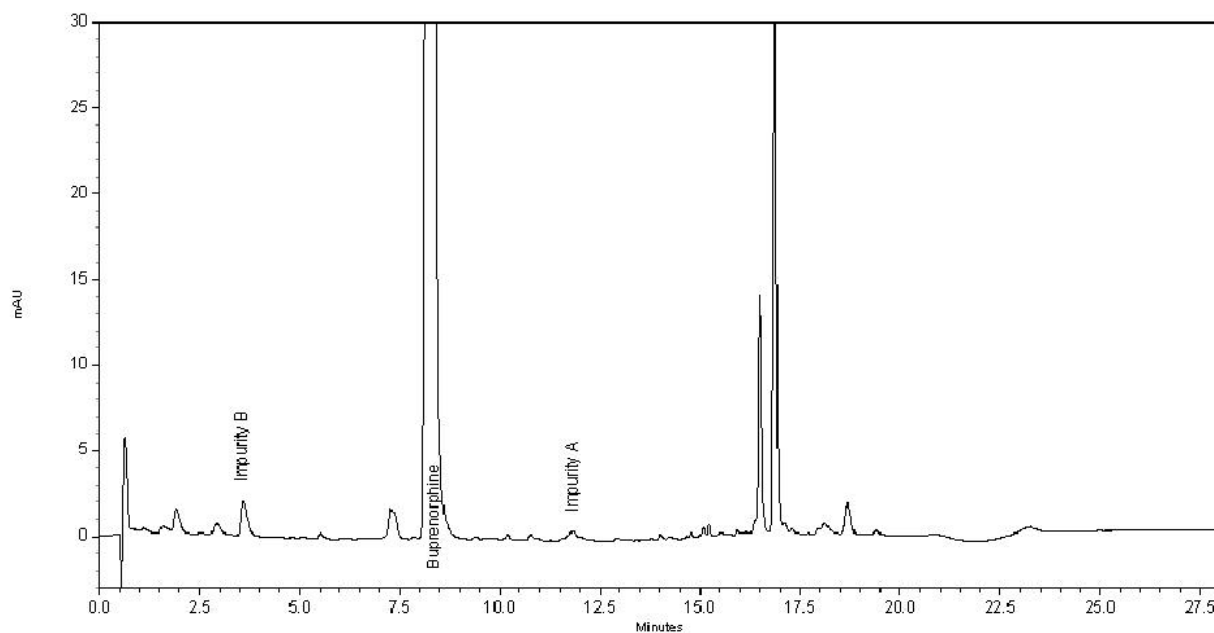
Solution (1): Test solution (Tablets)



The chromatogram shows a large buprenorphine peak (off scale at 3.0 mAU) at 8.5 minutes and one small known impurity peak due to buprenorphine impurity B (1 mAU) at 3.5 minutes.



Solution (1): Test solution (Patches)



The chromatogram shows a large buprenorphine peak (off scale at 3.0 mAU) at 8.5 minutes and three small known impurities peak due to buprenorphine impurity B (2 mAU) at 3.5 minutes and buprenorphine impurity A (1 mAU) at 11.4 minutes.