

# The use of reverse-phase HPLC for the analysis of Illicit Ya-Ma

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## ABSTRACT

This study describes the use of HPLC on  $\mu$ -Bondapak C18 for the analysis of illicit Ya-Ma. The techniques used are paired ion and derivatization methods. The reliability of the two methods are approximately in the same range. The coefficient of variations between assays are 6.3-10.0% and 4.7-4.9% respectively. The accuracy are in the range of 100.0-102.5% and 81.6-96.3% respectively. Locally prepared paired ion was proved to be as effectively as commercially supplied reagent. In the analysis of illicit Ya-Ma it was found that major substances in the tablets were caffeine, ephedrine, aminophylline, amphetamine and methamphetamine

Key words: Amphetamine; Chromatography, High Pressure Liquid (revers-phase); Drugs (illicit Ya-Ma)

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