Determination of Extracted Methamphetamine from Hashish Narcotic Plant by Home-made Ion chromatography System

Key words: Extraction, Methamphetamine (MMP), Hashish narcotic plant ,Ion Chromatography , UV detector

Abstract:

A fast method was described for the determination of [(S)-N-methyl-1-phenylpropan-2-amine] methamphetamine (MMPs) as micro crystalline standard mp170-175oc dissolvent in Ethanol comprehensive with extraction (MMPExt) from plant, this method using IC-UV. It is based on the spectrophotometric UV in max wavelength 250nm. The (MMP) spectra of this system was examined under the optimum conditions to obtained a good truly result for active material (MMP) from standard material and extraction plant. The detection limit (S/n=3) is 1 mg/l with relative standard deviation is 0. 19% for five replicates of 6mg/l MMPs.The linearity was in the rang 2-5 mg L-1 with a correlation coefficient R2 0.999. The method has been successfully applied to the determination of (MMP) in standard (Microcrystalline) and plant extraction preparation using standard addition method and the recoveries were in the rang 97.5 % - 100.0 %