

A Review on a Some Analytical Methods for Determination of Salicylic Acid

Salicylic acid is being used as a keratolytic agent for treatment of corns or verrucae; it's being used in many ointments and medicines due to its ability to remove the stratum corneum. Since such products containing salicylic acid are easily obtainable, salicylic acid poisoning (salicylism) cases are relatively many especially for infants not older than 5 years. Its poisoning symptoms were reported to be headache, vertigo, tinnitus, bradyacusia, amblyopia and sweating. There are many analytical techniques that have been reported for simultaneous estimation of salicylic acid and its derivative pharmaceutical dosage form such as: Aspirin, acetylsalicylic acid, salicylamide, sodium salicylate, p-amino salicylic acid and methyl salicylate. Some of those techniques are UV Spectrophotometry, high-performance liquid chromatography (HPLC), liquid chromatography-mass spectrometry (LC-MS), gas chromatography (GC), and ultra-performance liquid chromatography UPLC), In addition of various analytical methods are available for the quantification of pharmaceutical forms, ion-Selective Electrodes one of the most important chemical technique which used for determination of salicylic acid in pure and pharmaceutical formations.