Abstract

Skin is a very sensitive tissue of body that is the first protective part of your body that can protect you from illness factors. So attention to its drugs is very important. Increase or decrease of elements of its drug can make bad complication on it. So endeavor to find amount of percentage of its drugs by various methods is the aim of many researches. Verrucous and corn are the skin illnesses that provide unbecoming countenance. The prevalent treatment is use of drug that include salicylic acid and lactic acid. Spectrophotometric (UV-Vis) and potentiometric methods in non-aqueous medium can provide easy and convenient method to recognition amount of its percentage elements. Potentiometric titration do in various organic solvent such as metanol, etanol and t-butanol by various titrant such as sodium etoxide, sodium metoxide and sodium t-butoxide and at last select the best titration and solvent. Because of proximity of the lactic acid and salicylic acid dissociation constants so It is expected not observation two separate equivalence point, even with the use of various organic solvents and various titrant. In fact, such an equivalence point to neutralize both acid is obtained which shows two simultaneously neutralizing both acid by titrant. The spectrophotometric method for the determination salicylic acid will be used. By comparing the data obtained from these two methods, will ultimately determine the amount of lactic acid.

***Keywords*:** Salicylic Acid, Lactic Acid, Simultaneous measurement, Spectrophotometry (UV-Vis), Potentiometry.

University of Zabol

Graduate school

Faculty of Science

Department of Chemistry

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Simultaneous Determination of Salicylic Acid and Lactic Acidin Collodion by Spectrophotometric (UV-Vis) and Potentiometric Methods in Non-Aqueous Medium

Superviser:

Dr. M. Nejati

Dr. H. Baizaie

By:

Hedeieh Tizchang

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