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**Cairo University
Faculty of Science
Department of Chemistry**



**Analytical Studies on Some Pharmaceutical
Compounds**

615, 19

A Thesis Submitted

For

The M. Sc. Degree In Chemistry

By

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(B. Sc. Cairo university, 2004)

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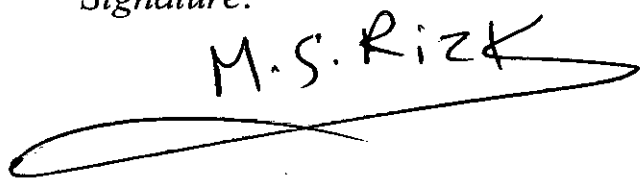
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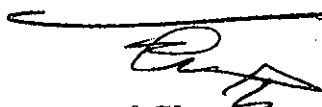
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ABSTRACT

Name of Candidate: Fathy Mohammed Abdel-Haleem Mohammed

Title of the M.Sc. Thesis: Analytical Studies on Some Pharmaceutical Compounds

Degree: (M.Sc.) thesis, Faculty of Science, Cairo University, 2009

This work has been carried out to determine two pharmaceutical compounds, Cyclopentolate hydrochloride and Flavoxate hydrochloride, in pure state and in its pharmaceutical preparations using ion selective electrode prepared by incorporation of ion pair that is formed between the drugs and phosphomolybdic acid, phosphotungstic acid, ammonium reineckate and sodium tetraphenyl borate. The response of the prepared electrodes was studied with different factors like temperature, pH and interfering ions which may affect the response and the electrodes were used to determine the drugs in pure state and in its pharmaceutical preparations.

Key Words: Flavoxate hydrochloride, cyclopentolate hydrochloride, Ion Selective Electrodes

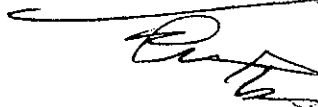
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The author.

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