بسم الله الرحمن الرحيم

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تم رفع هذه الرسالة بواسطة / مني مغربي أحمد

بقسم التوثيق الإلكتروني بمركز الشبكات وتكنولوجيا المعلومات دون أدنى مسئولية عن محتوى هذه الرسالة.

ملاحظات: لا يوجد

STUDY OF DIRECT AND INDIRECT ANALYTICAL METHODS FOR THE ANALYSIS OF SELECTED DRUGS OF PHARMACEUTICAL INTEREST CONTAINING BASIC AND/OR ACIDIC CENTER (S)

A Thesis Presented by:

Yasmine Mohamed Abdel Monem Mostafa Khalifa

B. Pharm. Sci., 2011 Faculty of Pharmacy

Pharos University

For Partial Fulfillment for the Degree of Master in Pharmaceutical Sciences (Analytical Chemistry)

Under the Supervision of:

Dr. Wael Talaat Abd El-Kader
Assistant Professor of Analytical Chemistry
Damanhour University

Dr. Ossama Ali Abdullateef
Assistant Professor of Analytical Chemistry
Pharos University

Dr. Samir Morshedy Mohamed
Lecturer of Analytical Chemistry
Damanhour University

Faculty of Pharmacy
Damanhour University

2022

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Advisors´ Committee:

	Approval
Dr. Wael Talaat Abd El-Kader *Assistant Professor of Analytical Chemistry* *Faculty of Pharmacy – Damanhour University*	**…….……**
Dr. Ossama Ali Abdullatif *Assistant professor of Analytical Chemistry* *Faculty pf Pharmacy – Pharos University in Alexandria*	**…….……**
Dr. Samir Morshedy Mohamed *Lecturer of Analytical Chemistry* *Faculty of Pharmacy – Damanhour University*	**…….……**

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Examiners´ Committee:

Approval

Prof. Dr. Hoda Mohamed Gamal El-Din Dabees …….……

Professor of Pharmaceutical Chemistry
Faculty of Pharmacy – Damanhour University

Prof. Dr. Ahmed El-Olemy Hassan Allam …….…….

Assistant professor of Analytical Chemistry
Faculty of Pharmacy – El-Azhar University in Cairo

Dr. Ossama Ali Abdullatif ……...……

Assistant professor of Analytical Chemistry
Faculty of Pharmacy – Pharos University in Alexandria

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Yasmine Khalifa

CONTENTS

LIST OF ABBREVIATIONS

a	Intercept
ACE	Aceclofenac
ACN	Acetonitrile
AGO	Agomelatine
A_{max}	Maximum absorbance
ANOVA	Analysis of variance test
API	Active pharmaceutical ingredient
b	slope
BD	Becton Dickinson
BP	British Pharmacopeia
CE	Capillary electrophoresis
CNS	Central nervous system
COX	Cyclooxygenase
CZE	Capillary zone electrophoresis
DHODH	dihydroorotate dehydrogenase enzyme
DIC	Diclofenac sodium
DLLME	Dispersive liquid–liquid microextraction
DMARD	Disease modifying antirheumatic drug
E_r (%)	Percentage relative error
EME	Electromembrane extraction
ESI	Electrospray Ionization

F	Variance ratio test
HPLC	High performance liquid chromatography
HPLC-DAD	High performance liquid chromatography with diode array detection
HPLC-FD	High performance liquid chromatography with fluorescence detection
HPLC-MS/MS	High performance liquid chromatography-tandem mass spectrometry
HPLC-UV	High performance liquid chromatography with ultraviolet detection
HPTLC	High performance thin layer chromatography
ICH	International Conference on Harmonization
IS	Internal standard
k´	Capacity factor
KET	Ketoprofen
LC	Liquid chromatography
LC-MS/MS	Liquid chromatography tandem mass spectrometry
LEF	Leflunomide
LOD	Limit of detection
LOQ	Limit of quantitation
MAOI	Monoamine oxidase inhibitor
MDD	Major depressive disorder
MeOH	Methanol
min	Minute
N	Number of theoretical plates
NAP	Naproxen
NSAID	Non-steroidal anti-inflammatory drug

PG	Prostaglandin
PIR	Piroxicam
r	Correlation coefficient
RA	Rheumatoid artritis
RIMA	Reuptake inhibitor of monoamine oxidase inhibitor A
rpm	Revolution per minute
RP-HPLC	Reversed-phase High performance liquid chromatography
RP-UPLC	Reversed-phase Ultra performance liquid chromatography
R_s	Resolution
RSD (%)	Percentage relative standard deviation
S^2	Variance
S_a	Standard deviation of intercept
S_b	Standard deviation of slope
S_b%	RSD% of the slope value
$S_{y/x}$	Standard deviation of residuals
SD	Standard deviation
SIAM	Stability-indicating assay method
SNRI	Serotonin and noradrenaline reuptake inhibitor
SSRI	Selective serotonin reuptake inhibitor
t_R	Retention time
TCA	Tricyclic antidepressant
TIA	Tianeptine
TLC	Thin layer chromatography

TOL	Tolmetin
TXA2	Thromboxane A2
UHPLC	Ultra-high-performance liquid chromatography
UHPLC-MS/MS	Ultra-high-performance liquid chromatography tandem mass spectrometry
UPLC	Ultra-performance liquid chromatography
UPLC/Q-TOF-MS	Ultra-performance liquid chromatographic/quadrupole time-of-flight mass spectrometry
USP	United states pharmacopoeia
UV	Ultraviolet
VLZ	Vilazodone
α	Selectivity
λ_{max}	Wavelength of maximum absorbance

LIST OF TABLES