



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ





شبكة المعلومات الجامعية



شبكة المعلومات الجامعية

التوثيق الالكتروني والميكرو فيلم

جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد اعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of
15 – 25c and relative humidity 20-40 %



شبكة المعلومات الجامعية



بعض الوثائق الأصلية تالفة



شبكة المعلومات الجامعية



بالرسالة صفحات
لم ترد بالأصل

ION EXCHANGE AND SELECTIVITY BEHAVIOUR OF
CERIUM (IV) ANTIMONATE AS ION EXCHANGER

THESIS
SUBMITTED TO FACULTY OF SCIENCE
AIN - SHAMS UNIVERSITY

IN PARTIAL FULFILLMENT FOR
DEGREE OF MASTER OF SCIENCE

BY
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B.S.C. CHEMISTRY

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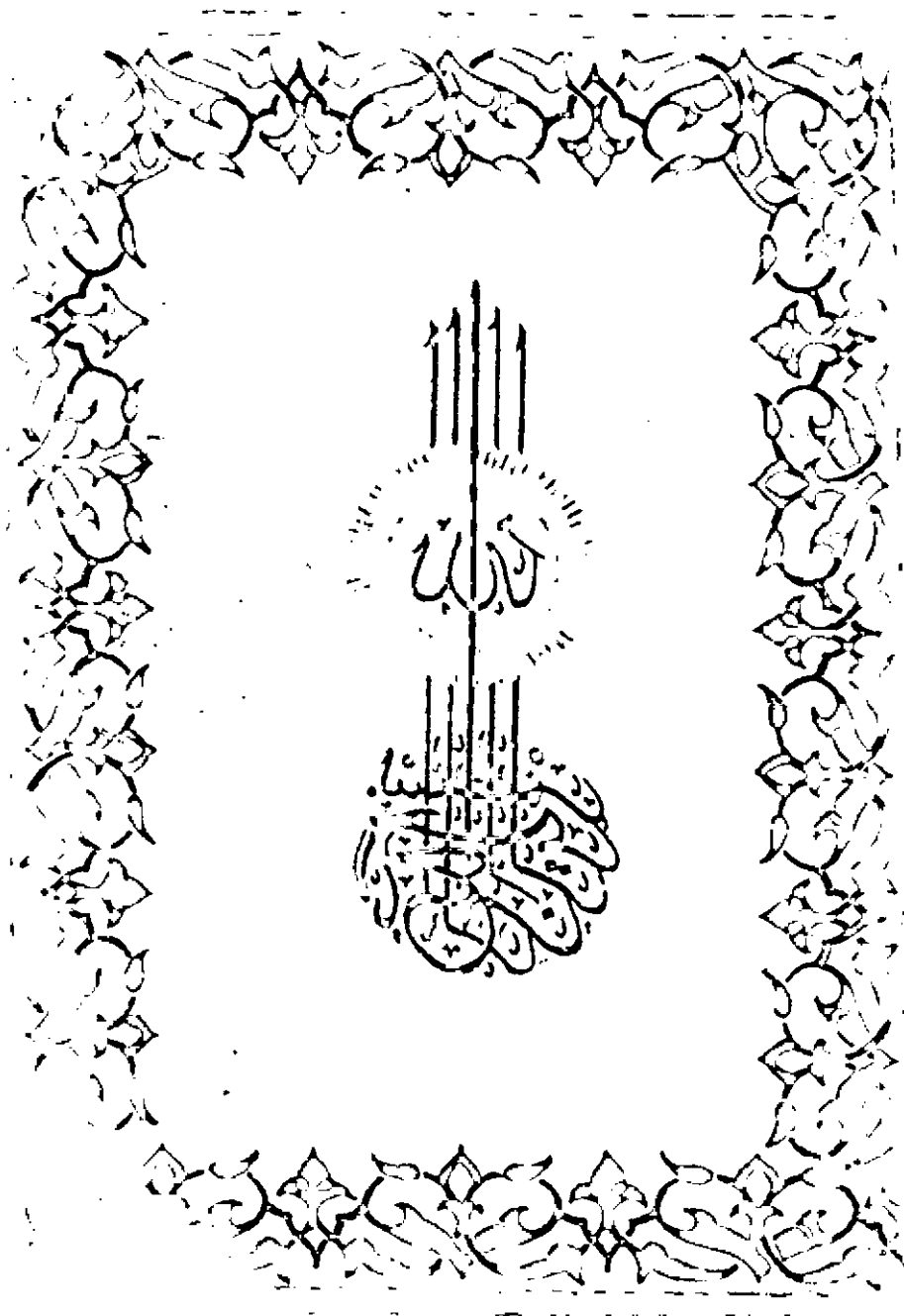
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CAIRO - 1997

B o MV



ION EXCHANGE AND SELECTIVITY BEHAVIOUR OF
CERIUM (IV) ANTIMONATE AS ION EXCHANGER

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NOTE

Beside the work carried out in this thesis, the candidate has attended post-graduate courses for one year in analytical and inorganic chemistry including the following topics :

Advanced Electroanalytical Chemistry

Advanced Instrumental Chemical Analysis

Inorganic Reaction Mechanisms

Group Theory and Computer Applications in Chemistry

Molecular Spectroscopy

Organometallic Chemistry

Radiation Chemistry

Advanced Chromatographic and Separation Techniques

Solvent Extraction

she has successfully passed a written examination in these topics.

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10/11/11

10/11/11

LIST OF PUBLICATION

M.A. Abdel-wahab

1. I.M.El-Naggar, M.A.El-Absy, H.N.Salama, M.A. Abdel-Fattah and N.Souka,
" Radiation Stability of Cerium (IV) Antimonate Ion Exchanger."
Radiochimica Acta, 62, 91 (1993).
2. I.M.El-Naggar, E.S.Zakaria, M.A. Abdel-wahab N.Belacy and H.F.Aly,
" The Diffusion Mechanism Of Alkali Metal Ions In The Particles Of
Cerium (IV) Antimonate."
Solid State Ionics, galley proof (1996).

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ARABIC SUMMARY	

1. The first step is to identify the problem or question that needs to be addressed. This involves understanding the context and the specific requirements of the task.

2. Next, it is important to gather relevant information and data. This can be done through research, consultation with experts, or by analyzing existing resources.

3. Once the information is gathered, the next step is to develop a plan or strategy. This involves breaking down the problem into smaller, manageable parts and determining the best approach to solve each part.

4. After the plan is developed, the next step is to implement the solution. This involves putting the plan into action and monitoring the progress to ensure that the solution is effective.

5. Finally, it is important to evaluate the results of the solution. This involves comparing the actual outcomes with the expected results and identifying any areas for improvement.