شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

شبكة المعلومـــات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

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

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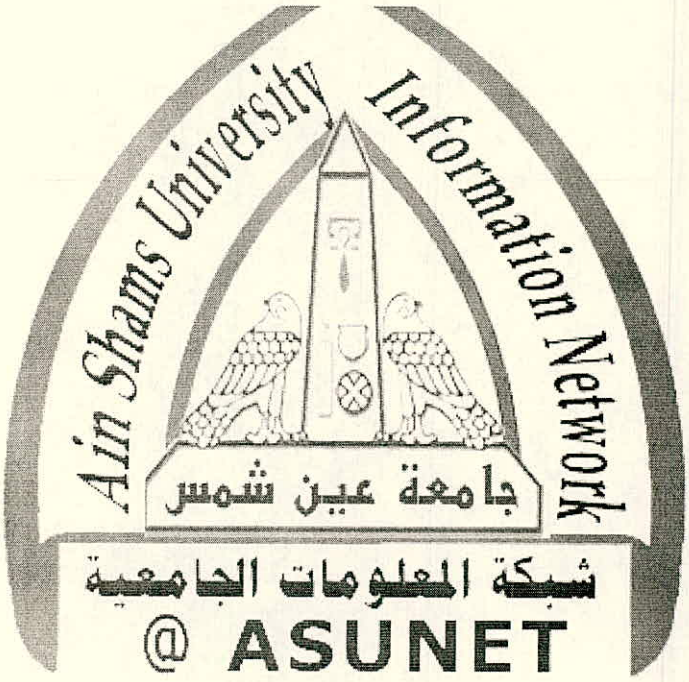
يجب أن

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 %



بعض الوثائق الأصلية تالفة

CONTRIBUTION OF SOME METAL OXIDES TO CRYSTALLIZATION CHARACTERISTICS OF LITHIUM BOROSILICATE GLASSES

A Thesis
For The Degree of
Doctor of Philosophy

By

HUSSEIN DARWISH MUSTAFA

B.Sc. (Ain Shams University)
M.Sc. (Ain Shams University)

Thesis Advisors

PROF. DR.
SALAH A. HASSAN
Professor of Physical Chemistry and
Vice dean, Faculty of Science
Ain Shams University

PROF. DR.
S.M. SALMAN
Professor of Glass Science, glass
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National Research Centre

Presented to
The Chemistry Department
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APPROVAL SHEET OF THE THESIS ENTITLED

Contribution Of Some Metal Oxides To Crystallization Characteristics Of Lithium Borosilicate Glasses

THESIS ADVISORS

Prof. Dr. Salah A. Hassan

Prof. Dr. S.M. Salman

THESIS APPROVED

Salah A Hassan

S.M. Salman

Credit

Prof. Dr. A.F. Fahmy

A.F.M. Fahmy

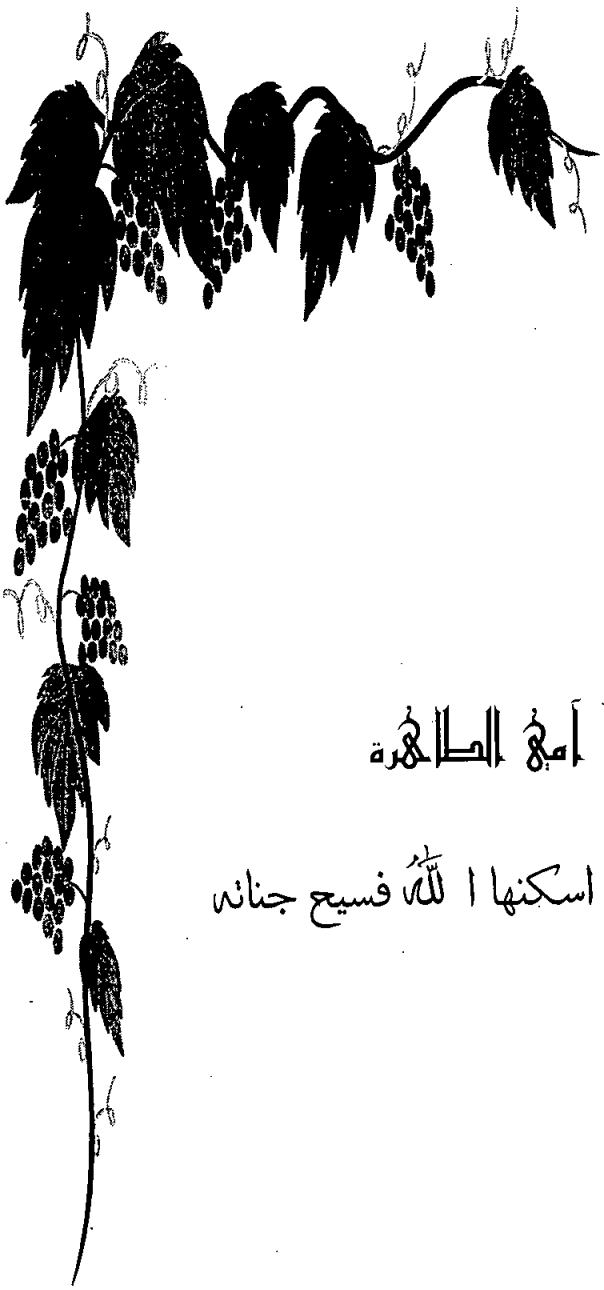
Head of Chemistry Department

بسم الله الرحمن الرحيم

محمد جلال رئيس المجلس البلدي

رئيس قسم المالية والمحاسبة

حيث أن [illegible]



إلى روح أمي الطاهرة

اسكنها الله فسيح جنانه

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