

43/2000

TITLE : DETERMINATION OF THE
ACTIVE PRINCIPLES OF THE
MEDICINAL HERB ALOE
SECUNDIFLORA

PROJECT : TRADE PROJECT

PRESENTED TO: THE KENYA NATIONAL
EXAMINATIONS COUNCIL IN
PARTIAL FULFILLMENT OF THE
REQUIREMENT FOR THE
AWARD OF A DIPLOMA IN
ANALYTICAL CHEMISTRY.

PRESENTED BY: NAPHTALY KATANA MAUNDU

INDEX NUMBER: 401001/1799

**EXAMINATION
SERIES** : NOVEMBER/DECEMBER 2000

**EXAMINATION
CENTRE** : THE KENYA POLYTECHNIC

TABLE OF CONTENTS

CONTENT	PAGE
Declaration	i
Acknowledgement	ii
Dedication	iii
Abstract	iv
Introduction	1
Objectives	1
Literature review	1-8
Reagents and apparatus	9-12
Sampling method	12
Extraction methods	13-14
Chemical tests on crude extracts	14-16
Instrumentation	16-22
Observation and results	23-25
Discussion, conclusion and recommendations	26-27
References	28-30

ABSTRACT

The crude aqueous extract obtained from boiling the leaves of the plant in water was subjected to solvent extraction whereby active principles were isolated.

Chemical analysis was done to determine the nature of the active constituents present in the solvent extract.

Alkaloids and quinones were found to be the active principles of the plant.