

Contents

No	Details	Page No
1	Dedication	I
2	Acknowledgment	II
3	Abstract (English)	III
4	Abstract (Arabic)	IV
5	List of figures	V
6	List of tables	VI
7	Content	VII
1	Introduction	1
1-1	Definition	2
1-2	Nomenclature	2
1-3	Sub classes of alcohol	2
1-4	Properties of alcohol	4
1-5	Reaction of alcohol	10
1-6	Preparation of alcohol	11
1-7	Some important alcohols	15
1-8	Biological effect	18
1-9	Alcoholic beverages	21
1-10	Manufacturing of alcohol	22
1-11	Fermentation	22
1-12	Non-alcoholic beverage	25

No	Details	Page No
2	Experimental	
2-1	Material and methods	27
2-1-1	Samples	27
2-1-2	Chemicals	27
2-1-3	Apparatus	27
2-1-4	Instruments	27
2-2	Methods	32
2-2-1	Preparation of standard	32
2-2-2	Preparation of samples	32
3	Results & discussion	
3-1	Results	36
3-2	Discussion	59
3-3	Recommendation	63
	References	64