



CONTENTS

Contents

	PAGE
INTRODUCTION.....	1
AIM OF THE WORK.....	26
CHAPTER (1)	
CYCLIC VOLTAMMOGRAMS OF TIN IN DIFFERENT BUFFER SOLUTIONS	
Introduction.....	27
Experimental.....	28
Results.....	32
Discussion.....	37
1- Cyclic voltammograms of tin in phosphate buffer solutions	37
2- Cyclic voltammograms of tin in citrate buffer solutions.....	48
3- Cyclic voltammograms of tin in citro-phoshate buffer solutions	58
CHAPTER (2)	
CORROSION RATE OF TIN IN DIFFERENT BUFFER SOLUTIONS	
Introduction.....	65
Experimental.....	67
Results.....	69
Discussion.....	74
1- Corrosion behavior of tin in phosphate buffer solutions.....	74
2- Corrosion behavior of tin in citrate buffer solutions	80
3- Corrosion behavior of tin in ciro-phosphate buffer solutions	84

CHAPTER (3)

POTENTIODYNAMIC ANODIC POLARIZATION OF TIN IN
DIFFERENT BUFFER SOLUTIONS CONTAINING AGGRESSIVE
AND INHIBITIVE COMPOUNDS

Introduction.....	87
Experimental.....	88
Results.....	89
Discussion.....	92
Pitting corrosion of tin in phosphate buffer solutions	92
2- Pitting corrosion of tin in citrate buffer solutions	96
3- Pitting corrosion of tin in citro-phosphate buffer solutions...	99
REFERENCES.....	102

SUMMARY AND CONCLUSION

ARABIC SUMMARY