

## TABLE OF CONTENTS

	<b>Page</b>
TABLE OF CONTENTS .....	i
LIST OF TABLES .....	ii
LIST OF FIGURES .....	v
INTRODUCTION.....	1
LITERATURE REVIEW.....	5
Fish Sauces.....	5
Near-Infrared Spectroscopy .....	14
Multivariate Data Analysis.....	22
MATERIALS AND METHODS .....	39
Materials .....	39
Methods .....	40
RESULTS AND DISCUSSION.....	56
Development of quantitative models for predicting the chemical and physical properties of Thai commercial fish sauces.....	56
Development of qualitative models for classifying Thai fish sauce based on their total nitrogen content.....	75
Categorization of Thai fish sauces based on sensory characteristics and principal component analysis.....	95
Correlation between sensory, chemical and physical properties of Thai fish sauces studied by NIR spectroscopy combined with chemometrics.....	108
Development of quantitative models for predicting the sensory properties of Thai fish sauces.....	126
CONCLUSION .....	149
LITERATURE CITED .....	152
APPENDIX .....	166
CIRRICULUM VITAE .....	182