

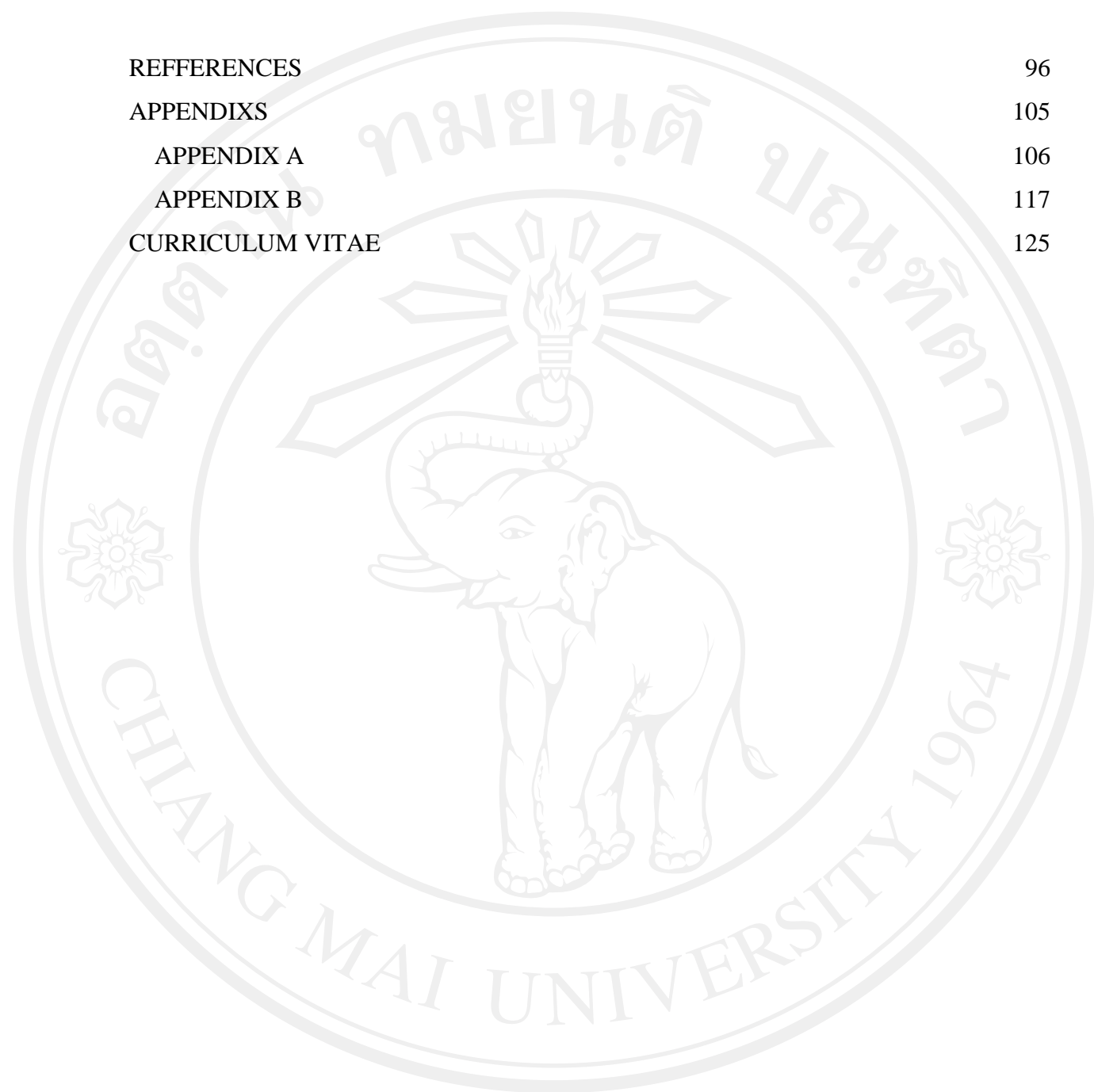
## TABLE OF CONTENTS

	Page
ACKNOWLEDGEMENTS	iii
ABSTRACT (English)	iv
ABSTRACT (Thai)	vi
LIST OF TABLES	ixx
LIST OF FIGURES	xv
ABBREVIATIONS AND SYMBOLS	xix
 CHAPTER 1 INTRODUCTION	 1
1.1 Introduction	1
1.2 Degradation mechanisms	2
1.3 Polymer Blend	5
1.3.1 Polymer-Polymer Compatibility	6
1.3.1.1 Compatible Blends	6
1.3.1.2 Incompatible Blends	7
1.3.1.3 Partially Compatible Blends	7
1.3.2 Prepared of Polymer Blends	7
1.3.2.1 Solution Blending	7
1.3.2.2 Melt Mixing	8
1.4 Experimental Determination of Blend Compatibility	8
1.4.1 Direct Methods	8
1.4.1.1 Glass Transition Temperature, $T_g$	8
1.4.1.2 Transparency	9
1.4.1.3 Morphology	9
1.4.2 Indirect Methods	10

1.5	Poly(butylene succinate) (PBS)	10
1.6	Cellulose Acetate Butyrate (CAB)	14
1.7	Polymeric Plasticizer	16
1.8	Literature Reviews	17
1.9	Research Objective	19
<b>CHAPTER 2</b>	<b>EXPERIMENTAL METHODS AND CHARACTERIZATION</b>	<b>21</b>
2.1	Chemicals, Apparatus and Instruments	21
2.1.1	Chemicals	21
2.1.2	Apparatus and Instruments	21
2.2	Characterization of starting material	22
2.2.1	Materials	22
2.2.2	Proton Nuclear Magnetic Resonance Spectroscopy ( $H^1$ -NMR)	23
2.2.3	Polymer Molecular Weight Determination	27
2.2.3.1	Dilute-Solution Viscometry	27
2.3	Film Production by Solution Blending	31
2.3.1	Preparation of Polymer Blend Films	31
2.3.2	Property Testing of Polymer Blend Films	31
2.3.2.1	Mechanical Properties	31
2.3.2.2	Thermal Properties	34
2.3.2.3	Morphology	35
2.3.2.4	Optical Properties	36
2.4	Sheet Formation Preparation by Melt-Mixing	36
2.4.1	Preparation of Polymer Blend Sheets	36
2.4.2	Property Testing of Polymer Blend	38
2.4.2.1	Melt-Flow Index	38
2.4.2.2	Mechanical Properties	39
2.4.2.3	Thermal Properties	40
2.4.2.3.1	Differential Scanning Calorimetry	40
2.4.2.3.2	Dynamic Mechanical Analysis	40
2.4.2.3.3	Thermogravimetric Analysis	42

2.4.2.4	Morphology	43
2.4.2.5	Optical Properties	43
2.4.2.6	Biodegradation under Laboratory-Scale	43
<b>CHAPTER 3</b>	<b>FILM FORMATION BY SOLUTION BLENDING</b>	<b>47</b>
3.1	Property of Starting Film Materials	47
3.2	Binary and Ternary Blend Preparation by Solution-Casting	48
3.2.1	Mechanical Properties	48
3.2.2	Thermal Properties	52
3.2.3	Morphology	57
3.2.4	Optical Properties	60
<b>CHAPTER 4</b>	<b>SHEET FORMATION BY MELT-MIXING</b>	<b>62</b>
4.1	Properties of Starting Material in Flat Sheet Form	62
4.2	Binary and Ternary Blend Preparation by Melt-Mixing	62
4.2.1	Melt Flow Index	63
4.2.2	Mechanical Properties	65
4.2.3	Thermal Properties	70
4.2.4	Dynamic Mechanical Properties	73
4.2.5	Thermogravimetric Analysis	78
4.2.6	Morphology	83
4.2.7	Optical Properties	85
4.2.8	Biodegradation under Laboratory-Scale Composting	87
	Conditions	
<b>CHAPTER 5</b>	<b>CONCLUSIONS</b>	<b>93</b>
5.1	Solution Blending	93
5.2	Melt Blending	94

REFERENCES	96
APPENDIXS	105
APPENDIX A	106
APPENDIX B	117
CURRICULUM VITAE	125



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## LIST OF TABLES

Table		Page
1.1	Properties and techniques used for measurement of the $T_g$	8
1.2	Indirect methods of polymer compatibility determination	10
2.1	Chemicals used in this research project	21
2.2	Apparatus and instruments used this research project	22
2.3	Interpretation of the $H^1$ -NMR spectra of the PBS commercial	24
2.4	Interpretation of the $H^1$ -NMR spectra of the CAB commercial	25
2.5	Interpretation of the $H^1$ -NMR spectra of the Paraplex G40 Commercial	26
2.6	Dilute-solution viscosity data using chloroform as solvent at 25 °C ( $\pm 0.1$ °C) for the PBS commercial	28
2.7	Dilute-solution viscosity data using ethyl acetate as solvent at 25 °C ( $\pm 0.1$ °C) for the CAB commercial	29
2.8	Molecular weight and intrinsic viscosity data of the starting Material	30
2.9	Applications of DMA and Structure-Property Characterization	41
2.10	Mass mixing of compost and sample powder is used testing	46
3.1	PBS/CAB compositions prepared in chloroform	48
3.2	Mechanical properties of PBS, CAB and various PBS/CAB	49
3.3	PBS/CAB blends compositions with 10, 20 and 30 % by weight of Paraplex G40 prepared in chloroform at room temperature	49
3.4	Tensile strength of various PBS/CAB blends without and with Paraplex G40 10, 20, 30% by weight	50
3.5	% Elongation at break of various PBS/CAB blends without and with Paraplex G40 10, 20, 30% by weight	51
3.6	Thermal properties of PBS, CAB and various PBS/CAB blends	53
3.7	Thermal properties of PBS, CAB and various PBS/CAB blends with 10% by weight Paraplex G40	55

3.8	Thermal properties of PBS, CAB and various PBS/CAB blends with 20% by weight Paraplex G40	56
3.9	SEM images of various PBS/CAB blend without and with 10, 20% by weight Paraplex G40	58
3.10	Transmittance of various PBS/CAB blends without and with 10, 20% by weight Paraplex G40	60
4.1	PBS/CAB blends compositions with 1 % by weight of Paraplex G40 prepared by melt-mixing	62
4.2	Melt flow index of various PBS/CAB blends	63
4.3	Melt flow index of various PBS/CAB blends with 10% Paraplex G40	64
4.4	Mechanical properties of PBS, CAB and various PBS/CAB blends	66
4.5	Mechanical properties of PBS, CAB and various PBS/CAB blends with 10% Paraplex G40	68
4.6	Thermal properties of PBS, CAB and various PBS/CAB blends with Paraplex G40 10 % by weight	70
4.7	Temperature of $\tan \delta$ ( $T_{\alpha}$ ) = $T_g$ of PBS, CAB and various PBS/CAB blends	74
4.8	Temperature of $\tan \delta$ ( $T_{\alpha}$ ) = $T_g$ of PBS, CAB and various	76
4.9	Range of degradation temperature ( $T_d$ ) of PBS, CAB and various PBS/CAB blends	79
4.10	Range of degradation temperature ( $T_d$ ) of various PBS/CAB blends with 10% Paraplex G40	79
4.11	SEM images of various PBS/CAB blend with 10% by weight Paraplex G40	84
4.12	Transmittance of various PBS/CAB blends with 10% Paraplex G40	85
4.13	Evaluation volatile solid, organic carbon and carbon dioxide theoretical ( $ThCO_2$ ) of all the test substances	88

4.114	Degree of biodegradation of cellulose, PBS, and PBS/CAB/Paraplex G40 blend as measured by the cumulative production of $^{14}\text{CO}_2$	92
A.1	The characteristics of compost inoculum	108
A.2	The composition of compost and sample/reference in the bioreactors	111
A.3	Evaluation volatile solid, organic carbon and theoretical carbon dioxide ( $\text{ThCO}_2$ ) of all the test substances	112
A.4	Cumulative $\text{CO}_2$ production and %biodegradation of blank, cellulose and LDPE	113
A.5	Cumulative $\text{CO}_2$ production and %biodegradation of blank, PBS, sample (PBS/CAB/Paraplex G40) and CAB	114



## LIST OF FIGURES

Figure		Page
1.1	Life's cycle of biodegradable plastic	1
1.2	A schematic representation of the dependence of $T_g$ on composition in binary polymer blends	9
1.3	Reactant of PBS monomer preparation from fermentation process	12
1.4	Chemical structures of PBS, CAB and Paraplex G40 for three-component blending	20
2.1	400 MHz $^1\text{H}$ -NMR spectrum of PBS commercial in $\text{CDCl}_3$ as solvent at $21^\circ\text{C}$	24
2.2	400 MHz $^1\text{H}$ -NMR spectrum of CAB commercial in $\text{CDCl}_3$ as solvent at $21^\circ\text{C}$	26
2.3	400 MHz $^1\text{H}$ -NMR spectrum of Paraplex G40 commercial in $\text{CDCl}_3$ as solvent at $21^\circ\text{C}$	27
2.4	Reduced ( $\eta_{\text{red}}$ ) and inherent ( $\eta_{\text{inh}}$ ) viscosity-concentration plots for PBS commercial	28
2.5	Reduced ( $\eta_{\text{red}}$ ) and inherent ( $\eta_{\text{inh}}$ ) viscosity-concentration plots for CAB commercial	29
2.6	Typical stress-strain curves	32
2.7	Lloyd Instruments LRX universal mechanical testing machine used for tensile testing according to the ASTM D882-91	33
2.8	The Mettler Toledo DSC 822 $^\circ$ differential scanning calorimeter used for thermal transition	34
2.9	The Jeol JSM 5910-LV scanning electron microscope used for morphology	35
2.10	The Perkin-Elmer Lambda25 UV-Visible spectrometer used for transparency measurements	36



2.11	The HAAKE PolyLab internal mixer used in melt-mixing method	37
2.12	The compression molding LabTech Engineering used for preparation flat sheet polymer	37
2.13	The Lloyd Instruments MFI-10 melt flow indexer used for melt flow measurement	38
2.14	The Instron 55R4502 universal tensile testing machine used for tensile testing according to the ASTM D638 Type V	39
2.15	The Mettler-Toledo SDTA861 <sup>e</sup> dynamic mechanical analyzer used for dynamic mechanical properties	40
2.16	The Perkin-Elmer (TGA7) thermogravimetric analyzer used for thermal degradation	42
2.17	Physical property of sample test for biodegradation under Laboratory-Scale composting conditions	45
2.18	Set-up using carbon dioxide-trapping apparatus	46
3.1	Stress-strain curve of CAB film	48
3.2	Tensile strength and %elongation at break of various PBS/CAB blend compositions	50
3.3	Tensile strength of various PBS/CAB without and with Paraplex G40 10, 20, 30% by weight	51
3.4	% Elongation at break of various PBS/CAB without and with Paraplex G40 10, 20, 30% by weight	52
3.5	DSC thermograms of various PBS/CAB blends without Paraplex G40	54
3.6	DSC thermograms of various PBS/CAB blends with Paraplex G40 10% by weight	55
3.7	DSC thermograms of various PBS/CAB blends with Paraplex G40 20% by weight	56
3.8	T <sub>g</sub> of PBS/CAB blends without and with 10, 20% by weight Paraplex G40 as function of PBS/CAB composition	57
3.9	Transmittance of various PBS/CAB blends	61

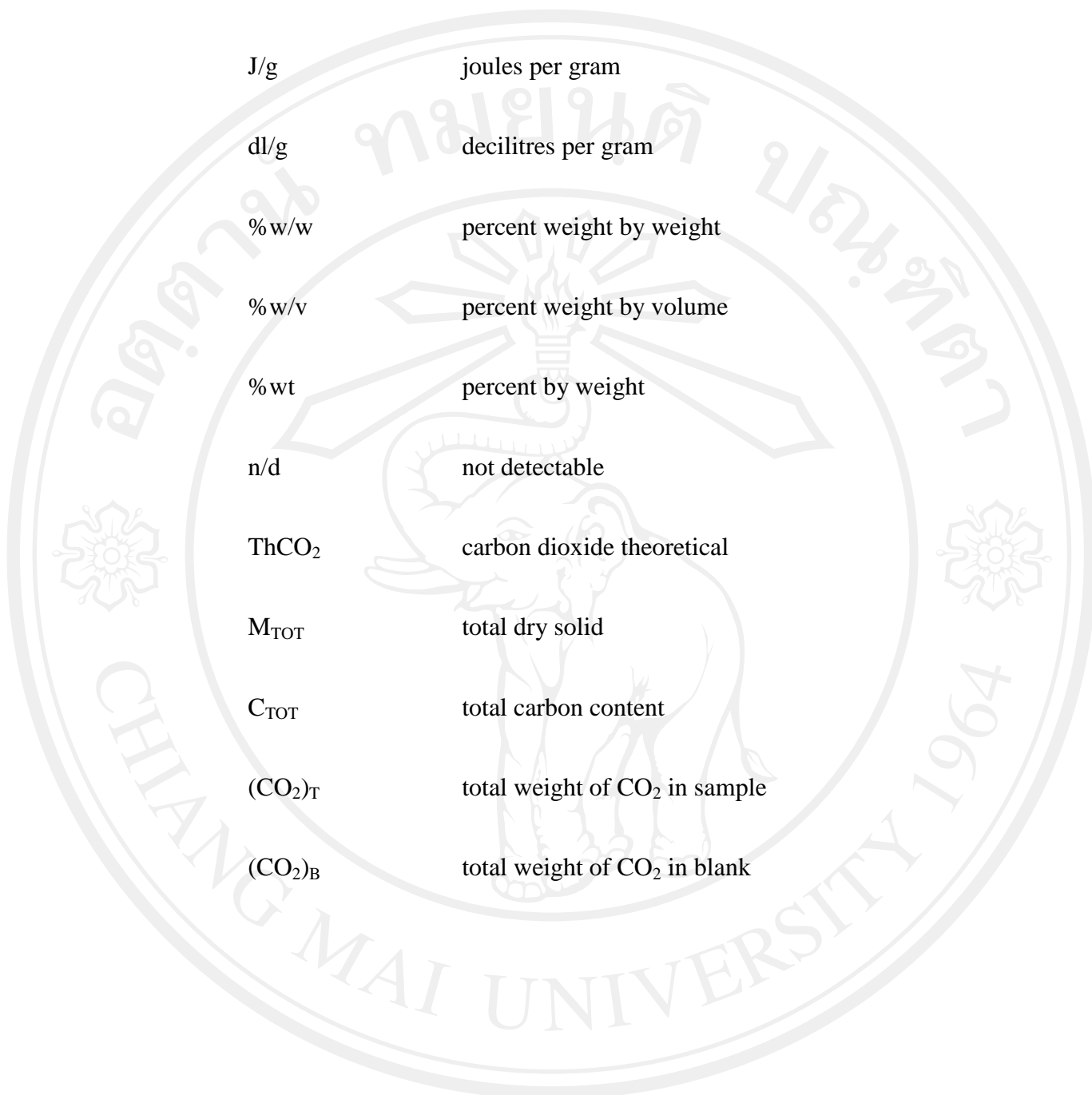
3.10	Transmittance of various PBS/CAB blends without and with 10% by weight Paraplex G40 as a function of PBS/CAB Compositions	61
4.1	Melt flow index of various PBS/CAB blends	64
4.2	Melt flow index of various PBS/CAB	65
4.3	Mechanical properties of various PBS/CAB blends	67
4.4	Mechanical properties of PBS/CAB blends without and with add 10% by weight Paraplex G40 as a function of PBS/CAB compositions	68
4.5	Mechanical properties PBS/CAB blends without and with add 10 % by weight of Paraplex G40 as a function of PBS/CAB compositions	69
4.6	DSC thermograms of polymer compounds	72
4.7	T <sub>g</sub> of PBS/CAB blends with 10% by weight Paraplex G40 as function of PBS/CAB composition	72
4.8	Dynamic mechanical relaxation behavior composition of PBS/CAB blends sheets	74
4.9	Dynamic mechanical relaxation behavior composition of PBS/CAB/Paraplex G40 blends sheets	78
4.10	Mass loss (TG%) and derivative mass loss (DTG) vs temperature with heating rate 50°C/min	80
4.11	TG curves of PBS, CAB and various PBS/CAB blends	81
4.12	Mass loss (TG%) and derivative mass loss (DTG) vs temperature with heating rate 50°C/min	82
4.13	TG curves of PBS, CAB and various PBS/CAB blends with 10%Paraplex G40	83
4.14	Transmittance of various PBS/CAB blends	86
4.15	Transmittance of various PBS/CAB/Paraplex G40 blends	86
4.16	Transmittance of various PBS/CAB blends with 10% by weight Paraplex G40 as a function of PBS/CAB compositions	87
4.17	Net cumulative CO <sub>2</sub> production as a function of time	90
4.18	Net cumulative CO <sub>2</sub> production as a function of time	91

4.19	Degree of biodegradation as a function of time	91
A.1	Schematic of set-up using carbon dioxide-trapping apparatus	108
A.2	Physical appearance of sample testing for testing ( $< 1000 \mu\text{m}$ )	109
A.3	Net cumulative $\text{CO}_2$ production as a function of time	115
A.4	Net cumulative $\text{CO}_2$ production as a function of time	115
A.5	Degree of biodegradation as a function of time	116

## ABBREVIATIONS AND SYMBOLS

PBS	poly(butylene succinate)
CAB	cellulose acetate butyrate
Paraplex G40	polyester adipate grade G40
$^1\text{H-NMR}$	proton nuclear magnetic resonance spectroscopy
DSC	differential scanning calorimetry
SEM	scanning electron microscopy
DMA	dynamic mechanical analysis
MFI	melt flow index
TGA	thermogravimetric analysis
ASTM	American Society of Testing and Materials
ISO	International Standard Organization
$T_g$	glass transition temperature
$T_c$	crystallisation temperature
$T_m$	crystalline melting point
$T_d$	degradation temperature
$\overline{M}_n$	number-average molecular weight
$\overline{M}_w$	weight-average molecular weight
$\overline{M}_v$	viscosity-average molecular weight
$\Delta G_p$	free energy change of polymerisation

$\Delta H_m^*$	heat of melting of a 100% crystalline sample
%T	%transmittance
EB	%elongation at break
$E'$	storage modulus
$E''$	loss modulus
$\tan \delta$	loss tangent ( $E''/E'$ )
$^{\circ}\text{C}$	degrees Celcius
MPa	megapascal
kV	kilovolt
mm	millimeter
$\mu\text{m}$	micrometer
nm	nanometer
mg	milligram
min	minute
hr	hour
$\text{cm}^{-1}$	wavenumber
g	gram
ml	millilitre
g/mol	gram per mole
mol. wt.	molecular weight
MHz	megahertz
$\delta$	chemical shift (NMR)
ppm	part per million



J/g	joules per gram
dl/g	decilitres per gram
% w/w	percent weight by weight
% w/v	percent weight by volume
% wt	percent by weight
n/d	not detectable
ThCO <sub>2</sub>	carbon dioxide theoretical
M <sub>TOT</sub>	total dry solid
C <sub>TOT</sub>	total carbon content
(CO <sub>2</sub> ) <sub>T</sub>	total weight of CO <sub>2</sub> in sample
(CO <sub>2</sub> ) <sub>B</sub>	total weight of CO <sub>2</sub> in blank