TABLE OF CONTENT

LIST OF TABLES

LIST OF ILLUSTRATIONS

Fig. **Page**

ABBREVIATION AND SYMBOLS

A	Absorbance
ANOVA	Analysis of variance
CCD	Central Composite Design
C.V.	Coefficient of variation
df or DF	Degree of freedom
EPS	Exopolysaccharide
etc.	et cetera (and so on)
g	Gram
GRAS	Generally Recognized As Safe
g/L	Gram per liter
h	Hour
i.e.	id est (This is)
L	Liter
LAB	Lactic acid bacteria
mg	Milligram
min	Minute
mL	Milliliter
mm	Millimeter
MRS	Man, Rogosa and Sharpe medium
MS	Mean square
n	Number
N	Normal
nm	Nanometer
Prob > F	Probability of a larger F-value

REP	Replication
rpm	Round per minute
SCP	Single cell protein
SS	Sum of square
SSF	Solid state fermentation
TRT	Treatment
v/v	Volume by volume
w/v	Weight by volume
μm	Micrometer
^0C	Degree Celsius
α	Alfa
β	Beta
$\pm$	Deviation
$\times g$	Revolve by gravity force
$<$	Less than
μ	Specific growth rate
μ_{max}	Maximum specific growth rate
q_p	Specific rate product formation
q_s	Specific rate substrate consumption
$Y_{x/s}$	The yield coefficient of biomass from substrate
$Y_{p/s}$	The yield coefficient of product from substrate
$Y_{p/x}$	The yield coefficient of product from biomass
ΔP	The differential of EPS yield
ΔS	The differential of sucrose concentration
ΔX	The differential of cell dry weight