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## LIST OF ABBREVIATIONS AND SYMBOLS

$a_w$  = water activity

AHA = Alpha hydroxyl acid

ANOVA = Analysis of Variance

AOAC = Association of Official Agriculture Chemists

BHA = Butylated hydroxyanisole

BHT = Butylated hydroxytoluene

CALB = *Candida antarctica* lipase B

CM = Carboxymethyl cellulose

CRL = *Candida rugosa* lipase

DAG = Diacylglycerol (diglyceride)

DEAE = Diethyl aminoethyl

DHA = Docosahexaenoic acid (C22:6)

DMSO = Dimethyl sulfoxide

DMF = Dimethyl formamide

DTT = Dithiothreitol

EDTA = Ethylene diaminetetracetic acid

EMK = Ethyl methyl ketone

FA = Fatty acid

FAME = Fatty acid methyl esters

FASE = Fatty acid sugar esters

FFA = Free fatty acid

FID = Flame ionization detector

## LIST OF ABBREVIATIONS AND SYMBOLS (CONTINUED)

GC = Gas chromatography

kDa = Kilodalton

$K_m$  = Michaelis constant

MAG = Monoacylglycerol (monoglyceride)

MML = *Mucor miehei* lipase

MTBE = Methyl-*tert*-butyl ether

MW = Molecular weight

PFAD = Palm fatty acid distillates

PUFA = Polyunsaturated fatty acid

PVC = Polyvinyl chloride

SE = Sugar esters

ST = Structured triglyceride

TAG = Triacylglycerol (triglyceride)

THF = Tetrahydrofuran

TLC = Thin layer chromatography

$V_{max}$  = Maximum velocity