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## LIST OF ABBREVIATIONS AND SYMBOLS

A	absorbance
AR	analytical reagent
$a_w$	water activity
$\alpha$ -	alpha-
$\beta$ -	beta-
BHT	butylated hydroxytoluene
<i>t</i> -BHP	<i>tert</i> -butyl hydroperoxide
°C	degree Celsius
DI	degradation index
DF	dilution factor
DNA	deoxyribonucleic acid
DPPH	1,1-diphenyl-2-picrylhydrazyl
EC <sub>50</sub>	effective concentration of sample requires scavenging free radical by 50%
UV	ultraviolet
UVA	ultraviolet A
UVB	ultraviolet B
$\lambda_{\max}$	wavelength at maximum absorption
GAE	gallic acid equivalent
G-6-PD	glucose-6-phosphate dehydrogenase
GSHP	glutathione peroxidase
g	gram



## LIST OF ABBREVIATIONS AND SYMBOLS (Continued)

hr	hour
kg	kilogram
L	liter
LPO	lipid peroxidation
MDA	malondialdehyde
$\mu\text{g}$	microgram
$\mu\text{L}$	microliter
mg	milligram
mL	milliliter
mM	millimolar
M	molar
$\epsilon$	molar absorptivity
MW	molecular weight
nm	nanometer
<i>o</i> -	ortho-
<i>p</i> -	para-
ppm	part per million
PBS	phosphate buffered saline
PCA	protocatechuic acid
ROS	reactive oxygen species
rpm	round per minutes
SD	standard deviation

## LIST OF ABBREVIATIONS AND SYMBOLS (Continued)

SOD	superoxide dismutases
TBA	thiobarbituric acid
v	volume
w	weight