

List of Symbols and Abbreviations used in this thesis

λ_{\max}	:	Wave length of maximum absorption
ϵ_{\max}	:	Molar absorptivity
r	:	Correlation coefficient
y	:	Response
a	:	Intercept
b	:	Slope
$^{\circ}\text{C}$:	Degree centigrade
M	:	Molar
ml	:	Milli litre
mg	:	Milli gram
μg	:	Micro gram
ng	:	Nanogram
μL	:	Micro litre
nm	:	Nano metre
min	:	Minutes
hr	:	Hours
temp	:	Temperature
R_s	:	Resolution
R_t	:	Retention time
R_f	:	Retardation factor
HETP	:	Height Equivalent to Theoretical Plates
mm	:	Milli meter(s)
cm	:	Centi meter(s)
%	:	Percentage
SD	:	Standard Deviation
%RSD	:	Percent Relative Standard Deviation
>	:	Greater than
<	:	Less than
Sec	:	Second(s)
Fig	:	Figure(s)
α	:	Relative retention
k'	:	Capacity factor

T	:	Peak a symmetry
n	:	Number of theoretical plates
N	:	Plates per meter
UV	:	Ultraviolet Spectroscopy
HPLC	:	High Performance Liquid Chromatography
RP- HPLC	:	Reverse Phase High Performance Liquid Chromatography
TLC	:	Thin Layer Chromatography
GLC	:	Gas Liquid Chromatography
LC	:	Liquid Chromatography
MS	:	Mass Spectroscopy
NMR	:	Nuclear Magnetic Resonance Spectroscopy
IR	:	Infra Red Spectroscopy
HPTLC	:	High Performance Thin Layer Chromatography
LC – MS	:	Liquid Chromatography – Mass Spectroscopy
GC – MS	:	Gas Chromatography – Mass Spectroscopy
ICH	:	International Conference on Harmonization
IS	:	Internal Standard
IP	:	Indian Pharmacopoeia
BP	:	British Pharmacopoeia
USP	:	United States of Pharmacopoeia
EP	:	European Pharmacopoeia
LOD	:	Limit Of Detection
LOQ	:	Limit Of Quantitation
MEP	:	Martindale Extra Pharmacopoeia
CV	:	Coefficient of Variance
AUC	:	Area Under the Curve
S/N	:	Signal to Noise ratio
THF	:	Tetra Hydro Furan