

LIST OF ABBREVIATIONS

3bHSD, 3b-hydroxysteroid dehydrogenase
AVG, *Aloe vera* Gel
CA, Campesterol Acetate
CYP19A1, cytochrome p450 family 19 subfamily A member 1
FSHR, follicle-stimulating hormone receptor
GC/MS, Gas Chromatography- Mass Spectrometry
HA, n-Hexadecanoic acid
HDL-C, High-density lipoprotein cholesterol
HOMA-IR, Homeostasis model assessment of insulin resistance
HPLC, High performance Liquid Chromatography
LDL-C, Low-density lipoprotein cholesterol
LHR, luteinizing hormone receptor
OGTT, Oral Glucose Tolerance Test
PCOS, Polycystic ovary syndrome
PE, Petroleum ether extract of *Aloe vera* gel
PPNPP, Partially purified non-polar phytocomponents
R_f, Retention Factor
SGOT, Serum glutamic oxaloacetic transaminase
SGPT, Serum glutamic pyruvic transaminase
StAR, Steroidogenic Acute Regulatory Protein
17 β HSD- 17 β hydroxysteroid dehydrogenase
3 β HSD- 3 β hydroxysteroid dehydrogenase
AR- Androgen receptor
AUC- area under curve
AVG- *Aloe vera* gel
CMC- Carboxymethylcellulose
Cyt C- cytochrome P450 oxidoreductase
DEPC- Diethyl pyrocarbonate
DHEA-S - dehydroepiandrosterone sulfate
EDTA- Ethylenediaminetetraacetic acid
EGTA- Ethylene Glycol Tetra Acetic acid
ER- Estrogen receptor

FC- Folin & Ciocalteu's
FSHR- Follicle stimulating hormone receptor
GC MS- Gas chromatography mass spectrometry
HBSS - Hank's Balanced Salt Solution
hCG - human chorionic gonadotropin
HDL - High density lipoproteins
HPLC - High Pressure Liquid Chromatography
IGF-1 - Insulin like growth factor-1
IGFBP-I - insulin-like growth factor binding protein
IGF-I - insulin-like growth factor I
IR- Insulin receptor
K₂HPO₄ - Di-potassium Hydrogen Phosphate
LB Reagent - Libermann-Burchard reagent
LH- Luteinizing hormone
LHR- Luteinizing hormone receptor
LOD - limit of detection
LOQ - limit of quantitation
NADH- Nicotinamide adenine dinucleotide reduced
NaF- Sodium Fluoride
NaH₂PO₄.2H₂O- Sodium dihydrogen phosphate dehydrate
NaOH- Sodium hydroxide
OGTT- Oral glucose tolerance test
PCOS - Polycystic ovarian syndrome
POD- Peroxidase
RT- Retention time
RT-PCR- Reverse transcription Polymerase Chain Reaction
SHBG - sex hormone binding globulin
StAR - Steroidogenic Acute Regulatory protein
TLC - Thin Layer chromatography