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LIST OF ABBREVIATIONS

APIs Active pharmaceutical ingredients

AUC Area under the curve

CAM Complementary and alternative medicine

CFU Colony forming unit

CCS Croscarmellose sodium

CRS Chemical reference substances

DFA Danish Food Administration

DI Deionized

GI Gastrointestinal

HPC Hydroxypropyl cellulose

HPMC Hydroxypropyl methyl cellulose

HPLC High performance liquid chromatography

HRT Hormone replacement therapy

LWDH Liu Wei Di Huang

LWDHK Liu Wei Di Huang Keli

LWDHW Liu Wei Di Huang Wan

MCC Microcrystalline cellulose

NCCAM National Center of Complementary and Alternative Medicine

PDA Photodiode array

PEG Polyethylene glycol

PVP/xPVP Polyvinyl pyrrolidone/Crospovidone

Rf Retard factor

RH Relative humidity

RW Reflux by water

SERMs Selective estrogen receptor modulators

SSG Sodium starch glycolate

TC Traditional decoction

TCM Traditional Chinese Medicine

LIST OF ABBREVIATIONS (Continued)

Thai FDA Thai Food and Drug Administration

SD/ RSD Standard deviation/ Relative standard deviation

TLC Thin layer chromatography

UV Ultraviolet

WHO World Health Organization



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LIST OF SYMBOLS

% percentage

°C degree celsius

μg microgram

μl microliter

μm micrometer

cm centimeter

Co., Ltd Company Limited

e.g. exempli gratia (for example)

etc et cetera (and other things)

g gram

kg kilogram

M Molar

mg milligram

ml milliliter

n/a non-applicable

nm nanometer

No. number

ppm part per million

spp. species

v/w volume by weight

w/w weight by weight