

Specification : Machosē-M (Manose PS-0001)

Name : **Machosē-M**
Active Compositions : Extracts from Thai medicinal plants in the recipes from “Manosroi III Database”. The plants are Pepper (*Piper nigrum*, L.), Ginger (*Zingiber officinale* Roscoe) and Holy Basil (*Ocimum tenuiflorum* L.)

Thai FDA Registration No. : 13-2-02053-5-0002 (Food Supplement)

Biological Activities of the extract :

- *In vitro* PDE inhibitory activity : The extract (conc. = 200 µg/ml) gave the PDE inhibition activity with the maximum inhibition percentage of 79.86% which was 1.76 folds of sildenafil (conc. = 2.25 µg/ml), a standard drug for the treatment of erectile dysfunction (ED).
- *In vivo* sexual behavior stimulatory effect : The extract at the dose of 1.36 g/kg exhibited an improvement of sexual behaviors in sexual dysfunction male mice with the numbers of courtship (NC), mount frequency (MF), intromission frequency (IF) and ejaculatory frequency (EF) at day 7 of 116.00 ± 13.32, 168.00 ± 30.51, 67.33 ± 9.68 and 25.67 ± 4.37 which were 2.07, 2.11, 1.02 and 3.50 folds of the sildenafil-treated mice (0.02 g/kg), respectively.

Characteristics of the extract :

- Physical appearance : Dark brownish solid
- pH : 5
- Odor : Herbal odor

- Phytochemical contents : flavonoids, sesquiterpenes, lactones, phenolic compounds

- Dosage form** : A capsule of 426 mg containing 207 mg of the mixed extract
- Indication** : Tonic for men/ aphrodisiac
- Dose per Day** : Take 1-2 capsules daily, 15-30 minutes after meal or before bedtime or as needed for 1-2 months
- Stability** : Physically and chemically stable at 4, 45 and 30 °C for 3 months
- Microbial Contamination** : None
- Shelf life** : 5 years
- Standardization** : HPLC fingerprint using gallic acid as a marker
- Safety Evaluation** : No toxicity of the extract in Wistar rats with the LD₅₀ value of over 5g/kilogram body weight
- Packaging and Storage** : 10 capsules in a blister pack with 1 blister packs in one box/ keep in cool place and protected from light
- Precaution** : Not for women and children



Machosē-M Capsule