

Product Specification : Machosé-D Shot Drink (Manose PS-0004)

(Application : For Erectile Dysfunction)

1. Name : Machosé-D Shot Drink
2. Active Compositions : Extracts from Thai medicinal plants including Pepper (*Piper nigrum*, L.), Ginger (*Zingiber officinale* Roscoe) and Holy Basil (*Ocimum tenuiflorum* L.)
3. Thai FDA Registration No. : In the process of FDA registration as a food supplement
4. Biological Activities of the Extract :
 - Erectile dysfunction inhibition by PDE inhibitory activity : The extract (200 $\mu\text{g/ml}$) containing in the shot drink gave the inhibition of PDE activity with the maximum percentage inhibition of 79.86% which was 1.76 folds of sildenafil (2.25 $\mu\text{g/ml}$).
 - Sexual behavior stimulatory effect : The extract at the dose of 1.36 g/kg exhibited an improvement of sexual behaviors in the sexual dysfunction male mice with 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.
5. Characteristics of the Product :
 - Physical appearance : Dark brownish liquid
 - pH : 5
 - Odor : Herbal odor
 - Taste : Sweet
6. Phytochemical contents in the extract : Flavonoids, sesquiterpenes lactones, phenolic compounds

7. Dosage form : One bottle (30 ml) contains 414 mg of the extract
8. Indication : Tonic for men/ aphrodisiac
9. Dose per Day : Take 1 bottle daily
10. Stability : Physical and chemical stability at 4, 30 and 45°C for 3 months
11. Microbial Contamination : None
12. Shelf life : 5 years
13. Standardization : HPLC fingerprint using gallic acid as a marker
14. Safety Evaluation : No toxicity of the extract with the LD₅₀ of more than 5g/kg body weight in Wistar rats (according to OECD guideline)
15. Packaging and Storage : A clear glass bottle covered with tight aluminium cap/ keep in cool place and protected from light
16. Precaution : Not for children and women



Machosé-D Shot Drink