

Specification of Machosé-M extract (Manose RM-035)

1. **Name of the raw material** : Machosé-M mixed plant extract
2. **Active components** : flavonoids, sesquiterpene lactones, phenolic compounds
3. **Scientific names of the plants** : Holy Basil (*Ocimum basilicum* L.), Pepper (*Piper nigrum* L.) and Ginger (*Zingiber officinale* Roscoe)
4. **Physical appearance of the raw materials** : Dark brownish solid
5. **pH/odor of the raw material** : 5/herbal odor
6. **Standardization of the raw material** : HPLC fingerprint by using gallic acid as a marker
7. **Solubility** : Soluble in water and ethanol
8. **Microbial contamination** : None
9. **Biological activities** : The extract (conc = 2.00 µg/ml) gave inhibition of PDE activity with the percentage of maximum inhibition at 79.86% which was 1.76 folds of sildenafil (conc = 2.25 µg/ml).
10. **Safety** : No toxicity with LD₅₀ of more than 5g/kilogram body weight in Wistar rats
11. **Food supplement applications** : Tonic for men/ aphrodisiac
12. **Recommended doses** : 414 mg/day
13. **Storage** : Keep in tight and light protection container in a refrigerator at 4°C (3-4 years of shelf life)
14. **Precaution** : Not for children under 12 years old and women
15. **Cost per Kg** : -
16. **Thai FDA Registration No.** : 13-2-02053-5-0002