

**Specification of MP4 medicinal plant recipe extract (Manose RM-026)**

1. **Name of the raw material** : MP4 medicinal plant recipe extract
2. **Active components** : Flavonoids, miroestrol, phytoestrogen
3. **Scientific name of the plant / Family** : Containing White Kwao Krua (*Pueraria* var. *mirifica* (Airy Shaw & Suvat.))/ LEGUMINOSAE-PAPILIONOIDEAE, etc.
4. **Physical appearance of the raw material** : Brownish solid with specific odor
5. **pH of the raw material** : 4
6. **Standardization of the raw material** : HPLC fingerprint using puerarin as a marker<sup>(1)</sup>
7. **Solubility** : Soluble in water and ethanol
8. **Microbial contamination** : None
9. **Biological activities** : Estrogenic effect
10. **Safety** : No skin irritation in human volunteers / LD<sub>50</sub> > 5 g/kg BW in rats
11. **Animal / human performance test** : Female hormone replacement in human volunteers
12. **Pharmaceutical, food supplement or cosmetic applications** : Female hormone replacement food supplement products for menopause women
13. **Content (mg) in the product** : 103 mg/capsule
14. **Storage** : Keep in tight and light protection container at room temperature
15. **Precautions (if any)** : Must not use in children under 12 years old and pregnant women
16. **Cost per kg** : -

## Reference

1. Ingham JL, Tahara S, Pope GS. Chemical components and pharmacology of the rejuvenating plant *Pueraria mirifica*. In: Keung WM, ed. *Pueraria: The genus Pueraria*. London: Taylor & Francis, 2002: 97–118.