

Specification : Mixed Thai Plant Extract for Hormone Replacement
in Menopause Women/ สารสกัดผสมจากสมุนไพรไทยใช้ทดแทนฮอร์โมน
สำหรับสตรีวัยทอง (Manose RM-0041)

(Application : An active ingredient for hormone replacement
food supplements in menopausal women / สารสำคัญในผลิตภัณฑ์เสริมอาหาร
ฮอร์โมนทดแทนสำหรับสตรีวัยทอง)

1. Name of the raw material : Mixed Thai Plant Extract for Hormone Replacement in Menopause Women
2. Active components : Mixed extracts of Thai medicinal plants including White Kwao Krua and Emblic Myrablan
3. Common and scientific name/ Family of the plant : White Kwao Krua (*Pueraria var. mirifica*, Airy Shaw & Suvat.) / LEGUMINOSAE – PAPILIONOIDEAE and Emblic Myrablan (*Phyllanthus emblica* L.) / EUPHORBIACEAE
4. Physical appearance : Brownish solid with specific herbal odor
5. pH : 5
6. Standardization : HPLC fingerprint using puerarin as a marker⁽¹⁾
7. Solubility : Soluble in ethanol
8. Microbial contamination : No pathogenic microorganism with less than 1,000 cfu/g of the total plate count of bacteria, yeast and fungi which is conformed to the Thai FDA regulation
9. Biological activities : Estrogenic effects in human breast cancer cell line (MCF 7)
10. Animal / human performance test : Female hormone replacement in human volunteers⁽²⁾
11. Safety : LD₅₀ > 5 g/kg BW in rats

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12. Pharmaceutical, food supplement or cosmetic applications : Female hormone replacement food supplement products for menopause women
 13. Recommended concentrations in the product : 5.00 mg/capsule (one capsule per day 30 minutes before meal)
 14. Storage : Keep in tight and light protection container at room temperature
 15. Precautions : Discontinue using if there is any adverse effect and must not be used in children under 12 years old and pregnant women
 16. Cost per kg : Please request

References

1. Inghan JL, Tahana S, Pope GS. (2002) Chemical components and pharmacology of the rejuvenating plant *Pueraria mirifica*. In : Keung WM, et. **Pueraria : Thegenus Pueraria. London & Francis, 97-118**
2. Muangman V, Cherdshewasart W. (2001) Clinical trial of the phytoestrogen-rich herb, *Pueraria mirifica* as a crude drug in the treatment of symptoms in menopausal woman. **Siriraj Medical Journal. 53(5) : 300-309**