
Specification : Bai Mee extract / สารสกัดใบหมี่
(Manose RM-0017)

(Application : An active ingredient for hair loss prevention and hair follicle nourishment cosmetics / สารสำคัญในผลิตภัณฑ์เครื่องสำอาง ช่วยลดการหลุดร่วงของเส้นผมและบำรุงรากผม)

1. Name of the raw material : Bai Mee extract / 0.1 % Bai Mee extract in propylene glycol
2. Active components : Tannins, sterols, alkaloids, flavonoids and volatile oils⁽¹⁾
3. Scientific name of the plant / Family : Bai Mee (*Litsea glutinosa* (Lour.) C.B. Robinson.) / LAURACEAE
4. Physical appearance : Brownish solid with specific herbal odor / Light yellow liquid with specific light herbal odor
5. pH : 5
6. Standardization : HPLC fingerprint using phytol as a marker⁽¹⁾
7. Solubility : Soluble in water and 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

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9. Biological activities : Analgesic⁽²⁾, hair loss prevention and hair follicle nourishment⁽³⁾
 10. Animal / human performance test : Analgesic in animals⁽²⁾, hair loss protection and hair follicle nourishment in human volunteers⁽³⁾
 11. Safety : No skin irritation in human volunteers
 12. Pharmaceutical, food supplement or cosmetic applications : Hair loss prevention and hair follicle nourishment cosmetic products
 13. Recommended concentrations in the product : 0.1-5 % w/w (for extract) and 5-10 % w/w (for extract in propylene glycol)
 14. Storage : Keep in tight and light protection container at room temperature
 15. Precautions : None
 16. Cost per kg : Please request

References

1. Jasim UC, Md Nazrul IB, Nema CN. (2008) Aromatic plants of Bangladesh : essential oils of leaves and fruits of *Litsea Glutinosa* (Lour.) C.B. Robinson. **Bangladesh Journal of Botany.** 37(1) : 81-83
2. Lohitha P, Muchandi IS, Haricharan K VNMS, Himabindu N, Mamatha G, Tejaswi CH, Ramamjaneyulu K, Vanitha Sagar S. (2010) Study of analgesic activities of *Litsea glutinosa* (L.) ethanolic extract on Swiss albino mice. **International Journal of Pharmaceutical Sciences and Research.** 1(9) : 93-97
3. Warangkana J, Sawitree U. (2008) **Formulation of anti-hair loss shampoo containing *Litsea* extract.** (The Bachelor Degree of Science in Pharmacy Faculty of Pharmacy). Nakhon Pathom : Mahidol University.