

Specification of Bai Mee extract (Manose RM-017)

1. **Name of the raw material** : Bai Mee extract
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 of the raw material** : Brownish solid with specific odor
5. **pH of the raw material** : 5
6. **Standardization of the raw material** : HPLC fingerprint using phytol as a marker⁽¹⁾
7. **Solubility** : Soluble in water and ethanol
8. **Microbial contamination** : None
9. **Biological activities** : Analgesic⁽²⁾, hair loss protection and hair follicle nourishment⁽³⁾
10. **Safety** : No skin irritation in human volunteers
11. **Animal / human performance test** : Analgesic in animals⁽²⁾ and hair loss protection and hair follicle nourishment in human volunteers⁽³⁾
12. **Pharmaceutical, food supplement or cosmetic applications**
: Hair loss protection and hair follicle nourishment
cosmetic products
13. **Recommended concentrations in the product (%)**
: 0.1-5 %
14. **Storage** : Keep in tight and light protection container at room temperature
15. **Precautions (if any)** : None
16. **Cost per kg** : -

References

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