

Specification : Mixed Thai Plant Aromatic Oil /

น้ำมันหอมระเหยผสมจากสมุนไพรไทย (Manose RM-0034)

(Application : An active ingredient for pain / sprain and inflammation /
สารสำคัญในผลิตภัณฑ์เพื่อบรรเทาปวดและด้านการอักเสบ)

1. Name of the raw material : Mixed Thai Plant Aromatic Oil
2. Active components : Plai oil, Turmeric oil, Sesame oil, Galanga oil and
Thao En-on extract
3. Common and scientific name/
Family of the plant : Plai (*Zingiber cassumunar* Roxb.) /
ZINGIBERACEAE, Turmeric (*Curcuma longa* L.) /
ZINGIBERACEAE,
Sesame (*Sesamum orientale* L.) / PEDALIACEAE,
Galanga (*Alpinia galanga* (L.) Willd.) /
ZINGIBERACEAE and Thao En-On (*Cryptolepis
buchananii* Roem. & Schult.) / ASCLEPIADACEAE
4. Physical appearance : Pale yellow clear liquid with specific herbal odor
5. pH : 5 – 6
6. Standardization : HPLC fingerprint using sabinene as a marker

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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 : Analgesic^(1,4-6) and anti-inflammation^(1,3-4,6)
 10. Animal / human performance test : Analgesic^(2,4) and anti-inflammation^(3,4) in human volunteers
 11. Safety : No skin irritation in human volunteers
 12. Pharmaceutical, food supplement or cosmetic applications : Topical use for anti-sprain and anti-inflammation
 13. Recommended concentrations in the product : 1 – 5% w/w
 14. Storage : keep in tight and light protection container at 4 – 8 °C
 15. Precautions : None
 16. Cost per kg : Please request

References

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