
Specification : Skin Nourishing and Relaxing Massage Balm (Manose PR-0005)

(Application : For anti-inflammation and pain/ sprain relief)

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1. Name : Skin Nourishing and Relaxing Massage Balm
 2. Active Compositions : Thai medicinal plant extracts of including Thao En-on (*Cryptolepis buchanani* Roem. & Schult), Oil from Tumeric (*Curcuma longa* L.) and Plai (*Zingiber montanum* (Koenig) Link ex Diet) encapsulated in nanovesicles
 3. FDA Registration No. : In the process of cosmetic product notification with Thai FDA
 4. Characteristics
 - Physical appearance : Light green ointment
 - pH : 5.5
 - Odor : Light specific herbal odor
 5. Standardization : HPLC fingerprint using sabinene as a marker
 6. Biological activities :
 - Anti-inflammatory activity by inhibiting the release of nitric oxide in macrophage (RAW 264.7) of $59.60 \pm 1.31\%$ (at 5 mg/ml) which is 1.4 folds of the standard anti-inflammatory drug, triamcinolone acetonide ($42.59 \pm 2.28\%$)
 - Anti-inflammatory activity the by heat denaturation inhibition of albumin from egg white (IC₅₀ value of 8.67 mg/ml) of 0.27 fold of the standard anti-inflammatory drug, diclofenac (IC₅₀ value of 2.38 mg/ml)
 - Anti-inflammatory activity in EPP (ethyl phenyl propiolate) induced ear edema of Wistar rats at 30 minutes of $75.43 \pm 14.93\%$ which is 1.33 folds of the standard anti-inflammatory diclofenac gel (1%) ($56.57 \pm 12.20\%$)

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7. Clinical Performance : Reduce inflammation and pain/ sprain
 8. Microbial Contamination : No pathogenic microorganism contamination. The amounts of the aerobic bacteria, yeast and fungi are less than 1,000 cfu/g which is in the acceptable range of Thai FDA, Ministry of Public Health
 9. Safety Evaluation : No skin irritation in human volunteers by the closed patch test
 10. Stability : Physically and chemically stable by the freeze-thaw process (45 and 4 °C) of 6 cycles
 11. Shelf life at 30 °C : 5 years
 12. Indication and use : Apply on skin, neck, waist, back and joints (knees, ankles, finger joints, wrist etc.) where needed
 13. Packaging and Storage : 5, 10 and 25 g in a bottle/ keep in dry and cool place protected from light
 14. Precaution :
 - For external use only
 - Avoid getting into eyes
 - Rinse off and stop using when there is any undesirable effect
 15. Cost : Please request



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