
Specification : Massage Cream for Skin Nourishing (Manose PR-0006)

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

-
1. **Name** : **Massage Cream for Skin Nourishing**
 2. **Active Compositions** : Thai medicinal plant extracts of including Rice Bran (*Oryza sativa* Bran), Thao En-on (*Cryptolepis buchanani* Roem. & Schult), Pepper (*Piper nigrum*), Rose-colored Leadwort (*Plumbago indica*), Tumeric (*Curcuma longa* L.) and Plai/ (*Zingiber montanum* (Koenig) Link ex Diet) encapsulated in nanovesicles
 3. **FDA Registration No.** : 50-1-6200044051
 4. **Characteristics**
 - **Physical appearance** : Light brownish cream
 - **pH** : 5
 - **Odor** : Light specific herbal odor
 5. **Standardization** : HPLC fingerprint by γ -oryzanol or curcumin or piperine as markers
 6. **Biological activities** :
 - Anti-inflammatory activity by the inhibition of nitric oxide release in macrophage (RAW 264.7) of $31.95 \pm 2.13\%$ at 1 mg/ml which is 0.89 folds in comparing to the standard anti-inflammatory drug, triamcinolone acetonide of $36.08 \pm 4.03\%$ at 1 mg/ml
 - Anti-inflammatory activity the by heat denaturation inhibition of albumin from egg white at the IC_{50} value of 8.67 mg/ml which is 0.27 fold of the standard anti-inflammatory drug, diclofenac (IC_{50} 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%) ($56.57 \pm 12.20\%$)

7. **Clinical Performance** : Reduce inflammation
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 the Thai FDA, Ministry of Public Health
9. **Safety Evaluation** : No skin irritation in human volunteers by the
10. **Stability** : Physically stable by the heating-cooling process (45 and 4 °C) of 6 cycles
11. **Shelf life at 30 °C** : 3 – 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** : 50 grams in a tube / 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



Massage Cream for Skin Nourishing