

Specification : Active Cream Pain A (oil phase) /

สารสกัดบรรเทาปวดในครีมส่วนเอ (เฟสน้ำมัน) (Manose RM-0035)

(Application : An active ingredient for anti-inflammatory / analgesics /

moisturizing cosmetics / สารสำคัญในผลิตภัณฑ์ต้านอักเสบ /

บรรเทาปวด และผลิตภัณฑ์เครื่องสำอางให้ความชุ่มชื้น)

1. Name of the raw material : Active Cream Pain A (oil phase)
2. Active components : Turmeric oil, Camphor and methyl salicylate
3. Common and scientific name/ Family of the plant : Turmeric (*Curcuma longa* L.)/ ZINGIBERACEAE and Camphor (*Cinnamomum camphora* (L.) J.S. Presl)/ LAURACEAE
4. Physical appearance : Light brownish clear liquid with specific herbal odor
5. pH : 5
6. Standardization : HPLC fingerprint using curcumin as a marker
7. Solubility : Soluble in oil
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 : Anti-inflammation⁽¹⁾ and analgesic activities⁽¹⁻³⁾
10. Animal / human performance test : Anti-inflammation⁽¹⁾ and analgesic^(1,3) in human volunteers
11. Safety : No skin irritation in human volunteers
12. Pharmaceutical, food supplement or cosmetic applications : Anti-inflammatory / analgesic / moisturizing cream and cosmetic products

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13. Recommended concentrations in the product : 20 % w/w
14. Storage : Keep in dry and cool place, protect from light
15. Precautions : For external use only / avoid getting into eyes / rinse off and stop using when there is any undesirable effect
16. Cost per kg : Please request

References

1. Deodhar SD, Sethi R, Srimal RC. (1980) Preliminary study on antirheumatic activity of curcumin (diferuloyl methane). **Indian Journal of Medical Research.** 71: 632-634
2. Fan LY, Lin Q, Yang NY, Chen LH. (2020) Analgesic effects of the essential oil from *Cinnamomum camphora* against nitroglycerin-induced migraine in mice. **Indian Journal of Pharmaceutical Sciences.** 82(1): 166-170
3. Mason L, Moore RA, Edwards JE, McQuay HJ, Deny S, Wiffen PJ. (2004) Systematic review of efficacy of topical rubefaciants containing salicylates for the treatment of acute and chronic pain. **The BMJ.** 328(7446): 995