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Specification : Active Balm B (niosomes) / สารสกัดบาล์มบี (นีโอโซม)  
(Manose RM-0038)

(Application : An active ingredient for anti-inflammatory / analgesic / moisturizing and cosmetic products / สารสำคัญในผลิตภัณฑ์ต้านอักเสบ / บรรเทาปวด และผลิตภัณฑ์เครื่องสำอางให้ความชุ่มชื้น)

1. Name of the raw material : Active Balm B (niosomes)
2. Active components : Turmeric and Thao En-on extracts encapsulated in niosomes
3. Common and scientific name/  
Family of the plant : Turmeric (*Curcuma longa* L.)/ ZINGIBERACEAE  
and Thao En-on (*Cryptolepis buchanani* Roem & Schult.)/ ASCLEPIADACEAE
4. Physical appearance : Light brownish turbid dispersion with specific herbal odor
5. pH : 5
6. Standardization : HPLC fingerprint using curcumin as a marker
7. Solubility : Dispersible 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<sup>(1)</sup> and analgesic activities<sup>(1)</sup>

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10. Animal / human performance test : Anti-inflammation and analgesic in human volunteers<sup>(1)</sup>
  11. Safety : No skin irritation in human volunteers
  12. Pharmaceutical, food supplement or cosmetic applications : Anti-inflammatory / analgesic / moisturizing and cosmetic products
  13. Recommended concentrations in the product : 0.1-10 % w/w (disperse in oil base)
  14. Storage : keep in dry and cool place protected 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

## Reference

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