

Specification : Machose Everyday Moisturizing Niosome Gel (Manose PR-0014)

(Application : Skin moisturizing and lubricating)

1. Name : Machose Everyday Moisturizing Niosome Gel
2. Active Compositions : Mixed Thai medicinal plant extracts of Pepper (*Piper nigrum*, L.), Ginger (*Zingiber officinale* and Holy Basil (*Ocimum tenuiflorum* L.) loaded in nanovesicles
3. FDA Registration No. : 10-1-6400038138
4. Characteristics
 - Physical appearance : Brownish turbid semi-solid
 - pH : 7.35
 - Odor : Herbal odor
 - Particle size : 50-100 nanometer
5. Standardization : HPLC fingerprint using gallic acid as a marker
6. Biological activities : Phosphodiesterases (PDEs) inhibition activity with the maximum inhibition of $30.53 \pm 6.65\%$ at 20 mg/ml which is 0.63 fold of sildenafil (conc. = 0.45 $\mu\text{g/ml}$), a standard drug for the treatment of erectile dysfunction (ED)
7. Clinical Performance : -
8. Microbial Contamination : No *pathogenic* microorganism contamination and 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 cytotoxicity on human gingival fibroblasts with cell viability of $106.25 \pm 23.72\%$ at 10 mg/ml No skin irritation in human volunteers by the 4-hour closed patch test
10. Stability : Physically stable by the heating-cooling process (45 and 4 °C) of 6 cycles
11. Shelf life at 30 °C : 2 years

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12. Indication and use : Apply on the desired area and for lubrication, 5-10 mins before the required activity, easy to rinse off with clean water
13. Packaging and Storage : 5, 10 and 30 grams in a collapsible/squeeze tube or packet / keep in cool place and protect from light
14. Precaution : - Avoid getting into eyes
- Rinse off and stop using when there is any undesirable effect
15. Cost : Please request



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