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**Specification : Herbal Alcohol Gel (Manose PR-0011)**

**(Application : For skin and hand sanitization)**

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1. **Name** : Herbal Alcohol Gel
2. **Active Compositions** : Extracts of Thai medicinal plants such as Chetta Mool Phloeng Daeng/ (*Plumbago rosea* L.) and Emblic Myrabolan/ (*Phyllanthus emblica* L.)
3. **FDA Registration No.** : 50-1-6300005289
4. **Characteristics**
  - **Physical appearance** : Artificial colorant free with light brownish clear gel
  - **pH** : 6
  - **Odor** : Herbal odor
5. **Standardization** : HPLC fingerprint using gallic acid as a marker
6. **Biological activities** :
  - Anti-bacterial activity of the product against *Staphylococcus aureus* with the minimum inhibitory concentration (MIC) of 500 mg/ml, while the standard anti-bacterial drug, erythromycin gives the MIC of 7.81 mg/ml
  - Anti-bacterial activity of the product against *S. epidermidis* with the MIC of 250 mg/ml, while the standard anti-bacterial drug, erythromycin gives the MIC of 31.25 mg/ml
  - Anti-fungal activity of the product against *Candida albicans* with the MIC of 500 mg/ml, while the standard anti-fungal drug, Itraconazole gives the MIC of 10 mg/ml
7. **Clinical Performance** : Antiseptic
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

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- FDA, Ministry of Public Health
- 9. Safety Evaluation : No skin irritation in human volunteers by the open patch test
  - 10. Stability : Pass the physical and chemical stability tests by the heating cooling process (45 and 4 °C) for 6 cycles
  - 11. Shelf life at 30 °C : 2 years
  - 12. Indication and use : Apply on hand
  - 13. Packaging and Storage : 30 and 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



**Herbal Alcohol Gel**