

Specification of Defeté extract (Manose RM-034)

1. **Name of the raw material** : Defeté mixed plant extract
2. **Active components** : flavonoids, lignums, volatile oils
3. **Scientific names of the plants** : Guava (*Psidium guajava* L.), Safflower (*Carthamus tinctorius* L.) and Kha (*Alpinia galanga* (L.) Willd.)
4. **Physical appearance of the raw material** : Dark brownish solid
5. **pH/odor of the raw material** : 5 / herbal odor
6. **Standardization of the raw material** : HPLC fingerprint by using kaempferol as a marker
7. **Solubility** : Soluble in water and ethanol
8. **Microbial contamination** : None
9. **Biological activities** : The extract gave inhibition of lipase activity with the IC₅₀ value of 4.91 µg/ml which was 0.05 folds of Oristat (IC₅₀ = 0.24 µg/ml)
10. **Safety** : No toxicity with LD₅₀ of more than 5g/kilogram body weight in Wistar rats
11. **Food supplement applications** : Tonic for weight loss purposes
12. **Recommended doses** : 150-300 mg/meal or 450-900 mg/day
13. **Storage** : Keep in tight and light protection container in a refrigerator at 4°C (3-4 years of shelf life)
14. **Precautions** : Not for children under 12 years old
15. **Cost per Kg** : -